Matches

50;

Conservative

0;

Mismatches

2.5%;

Score 50;

DB 2;

Length 50

Indels

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Gaps

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Query Match Best Local Similarity

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TILE REFERENCE: 1769/41426-G
CURRENT APPLICATION NUMBER: US/08/705,477E
CURRENT FILING DATE: 196-08-29
NUMBER OF SEQ ID NOS: 128
SOFTWARE: PatentIn version 3.1
SEQ ID NO 96
LENGTH: 783
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Patent No. 59
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF
                                                                                TELEFAX: 202-737-6776
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                  NAME: Jay, Jeremy M.
REGISTRATION NUMBER: 33587
REFERENCE/DOCKET NUMBER: 72
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-737-6770
                                                                                                                                                                                                                    APPLICATION NUMBER: US 6:
FILING DATE: 05-APR-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/832,468
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                                STRANDEDNESS:
                 TOPOLOGY:
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Overfelli, Ouathek
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                                                nucleic acid
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700 Thirteenth St., NW
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VENTION: A METHOD OF ENRICHING RARE CELLS
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                                                                                                                     202-737-6776
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 other nucleic acid (synthetic DNA)
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100.0%; Pred. No.
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US-08-832-468-6
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                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PATENTIN Release #1.0, Version #1.30
SOPTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/832,468
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60-014929
FILING DATE: 05-ARP.1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
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                                                                     Matches
                                                                                       Query Match
Best Local (
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                           STRANDEDNESS:
TOPOLOGY: lin
MOLECULE TYPE:
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ADDRESSEE: Leydig, Voit & Mayer, Ltd
STREET: 700 Thirteenth St., NW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: A METHOD OF ENRICHING RARE CELLS NUMBER OF SEQUENCES: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Nelson, William G.
APPLICANT: Partin, Alan W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION: TELEPHONE: 202-737-6770
                                                                                                                                                                                                                                                                                                                                           NAME: Jay, Jeremy M.
REGISTRATION NUMBER: 33587
REFERENCE/DOCKET NUMBER: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 20005
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                                                                                                                                                                                                                                                                           TELEPHONE: 202-737-6776
                                                                                      Local
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                                 1352 GTGTTTGAGCTAGCCAATTCCATAGTGCTCCCTTTTGATTGTCGAGATTA 1401
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                                                                                       Similarity 100.0%;
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2.7e-1
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US-08-394-152A-45/c

Sequence 45, Application US/08394152A Patent No. 5935818

GENERAL INFORMATION

APPLICANT: Israeli, Ron S. APPLICANT: Heston, Warren D.W. 0

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Database :
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Maximum DB seq length: 2000000000
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Perfect score:
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OLIGO_NUC
Gapop 60.0 , Gapext 60.0
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16336.674 Million cell updates/sec
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Copyright (c) 1993 - 2004 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

J

ALIGNMENTS

AUTHORS TITLE	REFERENCE	SOURCE ORGANISM	KEYWORDS	VERSION	ACCESSION		DEFINITION	LOCUS	RESULT 1 AF261715
O'Keefe,D.S., Bacich,D.J. and Heston,W.D.W. Cloning and Characterization of a novel glutamate-preferring	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 1992)	Homo sapiens (human) Homo sapiens		AF261715.1 GI:11078563	AF261715	(PSMAL/GCP III) mRNA, complete cds.	Homo sapiens prostate-specific membrane antigen-like protein	AF261715 1992 bp mRNA linear PRI 02-NOV-2000	

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JOURNAL
REFERENCE
AUTHORS
TITLE
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Best Local Similarity
Matches 1992; Conserv
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Unpublished
(bases 1 to 1992)
(Keefe, D.S., Bacich, D.J. and Heston, W.D.W.
Expression Profile of Prostate-Specific Membrane versus a Prostate-Specific Membrane Antigen-Like Tissues, Prostate Cancer and Tumor Associated-Vas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 (bases 1 to 1992)
O'Keefe, D.S., Bacich
Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (27-APR-2000) Cancer Foundation, NB 40, 9500 Euclid Location/Qualifiers
                                        CTACTTTGCTCCTGGGGTGAAGTCCTATCCAGACGGTTGGAATCTTCCTGGAGGTGGTGT
                                                                                              GGTTAAAAATGCCCAGCTGGCAGGGGCCAAAGGAGTCATTCTCTACTCAGACCCTGCTGA
                                                                                                                                                             TAATGACAAAAGGTTGAAGATAAAGTTCTAGTACTCATTTAAGTGTAATATTGAAAATTG
                                                                                                                                                                                                                                                                 GAGCTTATAGTAGCAAAAAAGAAAAGGGAAATTCTCTCTGAGATGTCCTTTTTTGTAGGCC
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                                                                                                                                                                                                                                                                                                                                                                                           Conservative
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LMYSLVYNLTKELKSPDEGFEGKSLYESWTKKSPSPEFSGMPRISKLGSGNDFEVFFQ
RKGIASGRARYTKNWETNKFSGYPLYHSVYETYELVEKFYDPWFKYHLTVAQVRGGMV
FELANSIVLFFDCRDYAVVLRKYADKIYNISMKHPQEMKTYSLSFDSLFSAVKNFTEI
ASKFSSRLQDFDKSNPILLRMWNDGLMFLERAFIDPLGLPDRFFYRHVIYAPSSHNKY
AGESFPGIYDALFDIESKVDPSKAWGDVKRQISVAAFTVQAAAETLSEVA"
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/function="N-acetylated-alpha-linked-acidic dip
/note="glutamate carboxypeptidase III; similar
sapiens PSNA; folate hydrolase-like; member of
peptidase family; formed by duplication of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /gene="PSMAL/GCP
527. .1855
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /codon_start=1
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/protein_id="AAG29102.1"
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/chromosome="11"
/map="11q14.3"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /tissue_type="liver"
/note="maps to Schizophrenia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bacich, D.J.
                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 1992;
100.0%; Pred. No. 0;
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                                                                       Gurney, A.L.,
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Genentech, Inc. (US)
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                                                                                                                                                  Baker, K.P., Chen, J., Gurney, A.L., Pan, J.,
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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CCACTGTATCACAGTGTCTATGAAACATATGAGTTGGTGGAAAAGTTTTATGATCCAATG
                                            CCCAGGATAAGCAAATTGGGATCTGGAAATGATTTTGAGGTGTTCTTCCAACGACTTGGA
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AX467227.1 GI:21900509
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                           GGTTGGAATCTTCCTGGAGGTGGTCCAGCGTGGAAATATCCTAAATCTGAATGGTGCA
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FAYRRGIAEAVGLPSIPVHFIGYYDAVALLEKMGGSAPPDSSWRGSLKVPYNVGPGFT
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AVVHEIVRSGCYDLKEGWRPRRTILFASWDAEBFGLLGSTEMAEBNSRLLQERGVAYI
NADSSIEGNYTLKVDCTPLMYSLVHNLTKELKSPDGFEGKSLYESWTKKSPSPEFGG
MFRISKLGSGNDFSVFFGRLGIASGRARYTKWWETNKFSGYPLYHSVTSTYELVEKFY
DDMFKKHLTVAGOVRGGWVFELANSIVLFPDCRDYAVVLRKFSGYPLYHSVTSTYELVEKFY
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/note="Human
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AAAETLSEVA"
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/mol_type="unassigned DN/
/db_xref="taxon:9606"
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                 AGAAAGTATGCTGACAAAATCTACA 1837
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Best Local Similarity
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M AND E BIOTECH AS
OS Homo sapiens (human)
PN JP 2002526419-A/1
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000573386
PR 05-OCT-1998 DK PA 199801261, 20-OCT-1998 US
LUCILLA STEINAA, SOREN MOURITSEN, KLAUS GREGORIUS NII
PI HAANING,
PC A61K39/00, A61K39/39, A61P15/00, A61P35/00, C07K14
PC C12N15/09,
PC C12N15/09
CC ggt or tgg encoding Gly and Trp, respectively
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Novel method for vaccine
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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GGTATTGACCCTCAGAGTGGAGCAGCTGTTGTTCATGAAACTGTGAGGAGCTTTGGAACA
                                                                               GCAGTGGAACCAGACAGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTTGGT
                                                                                                                                                     CACATCCACTCTACCAATGAAGTGACGAGAATTTACAATGTGATAGGTACTCTCAGAGGA
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                                                          GCAGTGGAACCAGACAGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTGGT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Pred. No. 0;
0; Mismatches
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      Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G.,
Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D.,
Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K.,
Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F.,
Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L.,
Stapleton, M., Soares, M.B., Bonaldo, M.F., Rubin, G.M., Hong, L.,
Stapleton, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S.,
Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S.,
Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J.,
Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, N.A.,
Abramson, K.J., Malek, J.A., Gunaratne, P.H., Richards, S.,
Morley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W.,
Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Glibbs, R.A.,
Fahav, T. Halfon, R., Ketteman, M., Madan, A., Rodrigues, S.
                                                                                                                                                                                                                                                                       Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 2472)
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                                                                                                                                                                                                                                                                                                                                         sapiens
  Helton, E
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Ketteman, M.,
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MEDLINE
PUBMED
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Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
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Web site: http://www.nisc.nih.gov/
Web site: http://www.nisc.nih.gov
Contact: nisc_mgemhgri. nih.gov
Akhter,N., Ayele,K., Beckstrom-Sternberg,S.M., Benjamin,B.,
Blakesley,R.W., Bouffard,G.G., Breen,K., Brinkley,C., Brooks,S.,
Blakesley,R.W., Bouffard,G.G., Breen,X., Gupta,J., Haghighi,P.,
Dietrich,N.L., Granite,S., Guan,X., Gupta,J., Laric,P., Legaspi,R.,
Hansen,N., Ho,S.-L., Karlins,E., Kwong,P., Laric,P., Legaspi,R.,
Hansen,N., Ho,S.-L., Karlins,E., Kwong,P., Laric,P., Legaspi,R.,
Maduro,Q.L., Masiello,C., Maskeri,B., Mastrian,S.D.,McCloskey,J.C.,
McDowell,J., Pearson,R., Stantripop,S., Thomas,P.J., Touchman,J.W.,
Tgurgeon,C., Vogt,J.L., Walker,M.A., Wetherby,K.D., Wiggins,L.,
Young,A., Zhang,L.-H. and Green,E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LiNL at: http://image.llnl.gov Series: IRAK Plate: 49 Row: e Column: 5
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 4758397. Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: National Institutes of Health Intramural
Sequencing Center (NISC),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (06-MAR-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NIH-MGC Project URL: h
Contact: MGC help desk
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/codon_start=1
/protain_i=rolh1 protein"
/protain_id=raM125672.1"
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/db_xref="GI:19343604"
/db_xref="GI:19343604"
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FGLDSVELAHYDVLLSYPNKTHPNYISIINEDGNEIFMTSLFEPPPGVENUNGDIVPP
FSAFSPQGMFEGDLVVVNYARTEDFFELERDMKINCSGKIVIARYGKVFRGNKVKNAQ
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GNGSTQKVKHILSTNGVTELMYSLVHNITKELKSPDEGFEGKSLYERSWLVERGYAVI
NADSSIEGNYTLRVDCTFLMYSLVHNITKELKSPDEGFEGKSLYESWTKKSPSPBFSG
MPRISKLGSGNDFEVFFQRLGIASGRARYTKNWETNKFSGYPLYHSVYETYELVEKFY
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/lab_host="DH10B"
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/mol_type="mRNA"
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                  GATGAAGGCTTTGAAGGCAAATCTCTTTATGAAAGTTGGACTAAAAAAAGTCCTTCCCCA
                                                                                             GATTGTACACCACTGATGTACAGCTTGGTATACAACCTAACAAAAGAGCTGAAAAAGCCCT
                                                                                                                                                                             CGTGGCGTGGCTTATATTAATGCTGACTCATCTATAGAAGGAAACTACACTCTGAGAGTT
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YSVSFDSLFSAVKNFTEIASKFSERLQDFDKSKHVIYAPSSHNKYAGESFPGIYDALF
DIESKVDPSKAMGEVKRQIYVAAFTVQAAAETLSEVA"
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Devlin, A.M., Ling, E.-H. and Halsted, C.H.
Direct Submission
Submitted (09-AUG-1999) Internal Medicin
California, Davis, TB 156, Davis, CA 956
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Devlin,A.M., Ling,E.H., Peerson,J.M., Fernando,S., Clarke Smith,A.D. and Halsted,C.H.
Glutamate carboxypeptidase II: a polymorphism associated levels of serum folate and hyperhomocysteinemia Hum. Mol. Genet. 9 (19), 2837-2844 (2000)
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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395 GGAGACCCTCTCACACCAGGTTACCCAGCAAATGAATACGCTTATAGGCATGGAATTGCA 454	gtggtgtccagcgtggaaatatcctaaatctgaatc 	y Match Local Similarity 99.2%; Pred. No. 0; hes 1096; Conservative 0; Mismatches 9; Indels 0; Gaps 0;	rce	RS Israeli,R.S., Heston,W.D.W., Fair,W.R., Ouerfelli,O. and Pinto,J. Prostate-specific membrane antigen and uses thereof Patent: US 6569432-A 1 27-MAY-2003; Location/Qualifiers		Sequence 1 from patent US 6569432. AR337951 AR337951.1 GI:33724620) AR337951	1415 AGAAAGTATGCTGACAAAATCTACA 1439 	1355 TTTGAGCTAGCCAATTCCATAGTGCTCCCTTTTGATTGTCGAGATTATGCTGTAGTTTTA 1414	1295 TTTTATGATCCAATGTTTAAATATCACCTCACTGTGGCCCAGGTTCGAGGAGGGATGGTG 1354	1235 AAATTCAGCGGCTATCCACTGTATCACAGTGTGTATGAAACATATGAGTTGGTGGAAAAG 1294 	1175 TTCCAACGACTTGGAATTGCTTCAGGCAGAGCACGGTATACTAAAAATTGGGAAACAAAC	1115 GAGTTCAGTGGCATGCCCAGGATAAGCAAATTGGGATCTGGAAATGATTTTGAGGTGTTC 1174	1055 GATGAAGGCTTTGAAGGCAAATCTCTTTATGAAAGTTGGACTAAAAAAAGTCCTTCCCCA 1114 	995 GATTGTACACCACTGATGTACAGCTTGGTATACAACCTAACAAAGAGCGTGAAAAGCCCT 1054 	935 CGTGGCGTGGCTTATATTAATGCTGACTCATCTATAGAAGGAAACTACACTCTGAGAGTT 994 	875 GAATTTGGTCTTCTTGGTTCTACTGAGTGGCCAGAGGATAATTCAAGACTCCTTCAAGAG 934	74 CTGAAAAAGGAAGGGTGGAGACCTAGAAGAACAATTTTGTTTG
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Patent:
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Cancer gene determination and therapeutic screening using signature
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Location/Qualifiers
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                                                              CGTGGCGTGGCTTATATTAATGCTGACTCATCTATAGAAGGAAACTACACTCTGAGAGTT
                                                                                                         GAATTTGGTCTTCTTGGTTCTACTGAGTGGGCAGAGGAGAATTCAAGACTCCTTCAAGAG
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/mol_type="unassigned DNA"
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Sequence 1 from Patent 1
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                                                                                                                                                                                                                                                                                                            American Foundation for Biological Research Milcho S. (US) ; Loukinov, Dmitri I. (US) ;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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        /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/codon_start=1
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1 (bases 1 to 2653)

Israell,R.S., powell,C.T., Fair,W.R. and Heston,W.D.

Molecular cloning of a complementary DNA encoding a prostate-specific membrane antigen
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                                                                                                                                                       /translation="MWNLLHETDSAVATARRPRWLCAGALVLAGGFFLLGFLFGWFIK
SSNEATNITERHNMKAFLDELKAENIKKFLYRFTQIPHLGFLGGWFQLAKQIQSQWKE
FGLDSVELAHYDVLLSYPNKTHFNYISIINEDGREIFNTSLFEPPPFGYENVSDIVPP
FSAFSPQGMEBGDLVVVNYARTEDFFKLERDWKINCSGKIVIARYGKVFRQNKVKNAQ
LAGAKGVILYSDPADYFAPGVKSYPDGWNLPGGGVQRGNILALLAGAGDFLTFGYPANE
YAYRRGIAEAVGLPSIPVHPIGYYDAQKLLEKWGGSAPDSSWRGSLKVPKNVGPGFF
GNSTGKVKWGHIHSYNEVTRIYNVIGTLRGAWEDBRYVILGGHRDSWVFGGIDPQSGA
AVVHEIVRSFGTLKKEGWPFRRTILFASWDAEEFGLLGSTEWAEENSRLLGERGVAYI
NADSSIEGNYTLRUDCTPLMYSLVHNLTKEKSPDEGFEKGILYESWTKKSPSPEFEG
MPRISKLGSGNDFEVFFQRLGIASGRAFTKWMETNKFSGYPLYHSVYETYELVEKFY
DPMEKYHLTVAQVRGGNFELANSIVLPEDCROYAVULRKYADKIYSISMGHPQENKT
YSUSFDSLFSAVKNFTEIASKFSERLQDFDKSNFILLRAMNDQLMFLERAFIDPLGLF
YSUSFDSLFSAVKNFTEIASKFSERLQDFDKSNFILLRAMNDQLMFLERAFIDPLGLF
                                                                                                                DRPFYRHVIYAPSSHNKYAGESFPGIYDALFDIESKVDPSKAMGEVKRQIYVAAFTVQ
AAAETLSEVA"
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/evidence=experimental
/product="prostate- specific membrane antigen"
/protein_id="AAA60209.1"
/db_xref="GI:199664"
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/cell_type="prostate"
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/germline
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/mol_type="mRNA"
/db_xref="taxon:9606"
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                     Score 646;
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                                                     GAGGCTGTTGGTCTTCCAAGTATTCCTGTTCATCCAATTGGATACTATGATGCACAGAAG
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Ye,C.Z., Zhang,F.L., Zhang,Y.K. and Chen,C.Q.
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                                 192648 bp DNA linear HTG 01-SEP-2000
Homo sapiens chromosome 11 clone RP11-31312, WORKING DRAFT
SEQUENCE, 27 unordered pieces.
AC024234
ACO24234.5 GI:8569915
HTG; HTGS_PHASE1; HTGS_DRAFT
Homo sapiens (human)
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Hattori,M., Ishii,K., Toyoda,A., Ta
Fujiyama,A., Yada,T., Totoki,Y., Wa
Homo sapiens genomic DNA
Published Only in Database (2001)
2 (bases 1 to 137888)
Hattori,M., Ishii,K., Toyoda,A., Ta
Fujiyama,A., Yada,T., Totoki,Y., Wa
Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AGCAAATACTCACTACCACAAATAAGAACATTTCCAAATCTGATGTTCTGAGGATTTTTA
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On Aug 27, 2001 this sequence version replaced gi:12597178.
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                                                                                                                        CCAGCGTGGAAATATCCTAAATCTGAATGGTGCAGGAGACCCTCTCACACCCAGGTTACCC
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AGCAMATG 11556
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100.0%; Pred. No. 5.7e-218;
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Submitted (28-FEB-2000) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. MO 63108, USA
On Jun 16, 2000 this sequence version replaced gi:7284696.
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Waterston, R.H.
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Waterston, R. H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Insert size: 188000; agarose-fp
Insert size: 190048; sum-of-contigs
Quality coverage: 3.74 in Q20 bases; agarose-fp
Quality coverage: 3.73 in Q20 bases; sum-of-contigs
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                                                                                                                                                                                                                                                                                                                                                                            NOTE: This is a 'working draft' sequence. It currently consists of 27 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence.
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P-PSDB; AAB19377.
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/product= "prostate-specific membrane antigen-like
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The present sequence encodes a human prostate specific membrane antigen (PSMA) like protein. The PSMA-like gene is mapped to chromosome 11q14.3, to the schizophrenia disorder type II locus. Antibodies directed against

Claim 2; Page 56-57; 75pp; English.

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                                              AAGAACAATTTTGTTTGCAAGCTGGGATGCAGAAGAATTTGGTCTTCTTGGTTCTACTGA
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RESULT 2
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(MEDR-)
(UYED-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Polypeptide with NAALAdase (N-acetylated-gamma-linked-acidic dipeptidase) like activity useful for the identification of new drugs, such as glutamase peptidase modulators, which may be used to treat schizophrenia.
                                                                                                                                                                                                                                                                                                             Sequence 2061 BP; 630
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/product= "Human protein having NAALAdase like activity"
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29-MAR-1999;
21-APR-1999;
28-APR-1999;
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99WO-US005028.
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99US-0126773P.
99US-0130232P.
99US-0131445P.
99US-0134287P.
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Ferrara N,
Goddard A,
Kljavin IJ,
Stewart TA,
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26-UL-1999;
29-OCT-1999;
30-NOV-1999;
02-DEC-1999;
02-DEC-1999;
16-DEC-1999;
16-DEC-1999;
30-DEC-1999;
30-DEC-1999;
30-DEC-1999;
05-JAN-2000;
                                                                                                                                                                                                                                                                                                                                                                 AAC78458 to AAC78599 represent polynucleotide and EST (expressed sequence tag) sequences which encode secreted or transmembrane PRO polypeptides. The PRO polynucleotides and polypeptides have cytostatic activity. The polynucleotides and polypeptides can be used for detecting the presence of PRO polypeptides in samples, for linking bioactive molecules to cells and for modulating biological activities of cells, using the polypeptides for specific targeting. The polypeptide targeting can be used to kill the target cells, e.g. for the treatment of cancers. The polypeptide pairs provide specific targeting of bioactive molecules to cells. AAC78600 to AAC78987 represent PCR primers and probes used in the isolation of the
                                                                                                                                                                                                                                                                                                                                     Sequence
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AATGAAGTGACGAGAATTTACAATGTGATAGGTACTCTCAGAGGAGCAGTGGAACCAGAC
                                                                             GGTGGCTCAGCACCACCAGATAGCAGCTGGAGAGGAGGTCTCAAAGTGTCCTACAATGTT
                                                                                                             CCAAGTATTCCTGTTCATCCAATTGGATACTATGATGCACAGAAGCTCCTAGAAAAATG
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Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;

Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ;

J, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton

A, Tumas D, Williams PM, Wood WI;
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99US-014569BP.
99US-0162506P.
99WO-US028313.
99WO-US028551.
99WO-US030095.
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Pred. No. 2.5e-265;
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                                                                            TCCATAGTGCTCCCTTTTGATTGTCGAGATTATGCTGTAGTTTTAAGAAAGTATGCTGAC
                                                                                                                                           TTTAAATATCACCTCACTGTGGCCCAGGTTCGAGGAGGGATGGTGTTTTGAGCTAGCCAAT
                                                                                                                                                                                                          CCACTGTATCACAGTGTCTATGAAACATATGAGTTGGTGGAAAAGTTTTATGATCCAATG
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AAS45976 cDNA; 2558

18-DEC-2001 (first

Human DNA encoding PRO polypeptide sequence

PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; shedog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpiblood; chondrocyte cell; cell proliferation; cell differentiation; adrenal; lung; breast; prostate; rectum; cervix; liver; genetic di PCR primer. horse; sheep; ha; TNF-alpha;

Homo sapiens

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16-MAR-2000
14-MAR-2000
14-MAR-2000
15-MAR-2000
21-MAR-2000
21-MAR-2000
21-MAR-2000
21-MAR-2000
29-MAR-2000
29-MAR-2000
30-MAR-2000
11-APR-2000
Sequences AAS45925-AAS46231 represent DNA molecules encoding and PCR primers for PRO polypeptides of the invention. The sequences of the invention can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also
                                                                                                                                                                                                                              Novel nucleic acids encoding PRO polypeptides, used presence of tumors, such as prostate and breast tumoscreen for modulators of the compounds.
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DB; AAU29075.
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J, Smith V,
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2000US-01946479P
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2000US-01961800P
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2000US-0198121P
2000US-0198121P
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2000US-0199550P
2000US-0199550P
2000US-0199554P
2000US-0199554P
2000WO-US015164
2000WO-US014042
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susceptibility to tumour development, particularly adrenal, 1 breast, prostate, rectal, cervical, or liver tumours, in mamm subjects. The oligonuclectide probes specific for the PRO nuc can be used for genetic analysis of individuals with genetic
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atch 37.2%; cal Similarity 99.3%; 1142; Conservative ATGTACAGCTTGGTATACAACCTAACAAAAGAGCTGAAAAGCCCTGATGAAGGCTTTGAA ATTAATGCTGACTCATATAGAAGGAAACTACACTCTGAGAGTTGATTGTACACCACTG GGTTCTACTGAGTGGGCAGAGGATAATTCAAGACTCCTTCAAGAGCGTGGCGTGGCTTAT TGGAGACCTAGAAGAACAATTTTGTTTGCAAGCTGGGATGCAGAAGAATTTTGGTCTTCTT CCAAGTATTCCTGTTCATCCAGTTGGATACTATGATGCACAGAAGCTCCTAGAAAAAATG CCAGGTTACCCAGCAAATGAATACGCTTATAGGCATGGAATTGCAGAGGCTGTTGGTCTT GGAGGTGGTGTCCAGCGTGGAAATATCCTAAATCTGAATGGTGCAGGAGACCCTCTCACA GACCCTGCTGACTACTTTGCTCCTGGGGTGAAGTCCTATCCAGACGGTTGGAATCTTCCT GACCCTGCTGACTACTTTTGCTCCTGGGGTGAAGTCCTATCCAGACGGTTGGAATCTTCCT GGCAAATCTCTTTATGAAAGTTGGACTAAAAAAAGTCCTTCCCCAGAGTTCAGTGGCATG GGCAAATCTCTTTATGAAAGTTGGACTAAAAAAAGTCCTTCCCCAGAGTTCAGTGGCATG ATTAATGCTGACTCATCTATAGAAGGAAACTACACTCTGAGAGTTGATTGTACACCGCTG GGTTCTACTGAGTGGGCAGAGGAGAATTCAAGACTCCTTCAAGAGCGTGGCGTGGCTTAT TGGAGACCTAGAAGAACAATTTTGTTTGCAAGCTGGGATGCAGAAGAATTTGGTCTTCTT AGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTTGGTGGTATTGACCCTCAG AGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTGGTGGTATTGACCCCTCAG AATGAAGTGACGAGAATTTACAATGTGATAGGTACTCTCAGAGGAGCAGTGGAACCAGAC AATGAAGTGACGAGAATTTACAATGTGATAGGTACTCTCAGAGGAGCAGTGGAACCAGAC GGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCACTCTACC GGTGGCTCAGCACCACCAGATAGCAGCTGGAGAGGAAGTCTCAAAGTGTCCTACAATGTT CCAGGTTACCCAGCAAATGAATATGCTTATAGGCGTGGAATTGCAGAGGCTGTTGGTCTT GGAGGTGGTGCAGCGTGGAAATATCCTAAATCTGAATGGTGCAGGAGACCCTCTCACA ATGTACAGCTTGGTACACAACCTAACAAAAGAGCTGAAAAGCCCTGATGAAGGCTTTGAA GGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCACTCTACC GGTGGCTCAGCACCAGCAGATAGCAGCTGGAGAGGAAGTCTCAAAGTGCCCTACAATGTT CCAAGTATTCCTGTTCATCCAATTGGATACTATGATGCACAGAAGCTCCTAGAAAAATG Score 742; DB Pred. No. 2.5e 0; Mismatches 0 DB 4; 1 2.5e-265; les 8; Length 2558; Indels CCAACGACTTGGA 0, Gaps 709 1770 1189 1710 1129 1650 1069 1590 1009 1530 1410 1110 1050 1470 889 829 1350 769 1290 1230 649 1170 589 469 990 409 930 0

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650 AATGAAGTGACGAGAATTTACAATGTGATAGGTACTCTCAGAGGAGCAGTGGAACCAGAC	998;	0221
590 GGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCACTCTACC 	998;	2222
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Query Match 37.2%; Score 742; DB 7; L
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CDNA: 2558 ВP

transmembrane protein PRO739 CDNA

Human; secreted and transmembrane protein; PRO; transgenic & Knockout; chromosome identification; tissue typing; tumour; chondrocyte proliferation; chondrocyte differentiation; tumor necrosis factor-alpha release stimulator; gene; ss. animal;

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                                  AGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTTGGTGGTATTGACCCTCAG
                                                             GGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCACTCTACC
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SUMMARIE

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ALIGNMENTS

WES-09-978-295A-617 Sequence 617, Application US/09978295A Patent No. US20020156006A1 GENERAL INFORMATION: APPLICANT: Baker Kevin P. APPLICANT: Beber Kevin P. APPLICANT: Besnoyers, Luc APPLICANT: Besnoyers, Luc APPLICANT: Ferrara, Napoleon APPLICANT: Ferrara, Napoleon APPLICANT: Fong, Sherman APPLICANT: Gerber, Hanspeter APPLICANT: Gerber, Hanspeter APPLICANT: Godowski, Paul J. APPLICANT: Godowski, Paul J. APPLICANT: Godowski, Paul J. APPLICANT: Godowski, Paul J. APPLICANT: Grimaldi, J. Christopher APPLICANT: Grimaldi, J. Christopher APPLICANT: Hillan, Kenneth J. APPLICANT: Hillan, Kenneth J. APPLICANT: Napier, Mary A. APPLICANT: Pan, James, APPLICANT: Pan, James, APPLICANT: Pan, James, APPLICANT: Stewart, Timothy A. APPLICANT: Stewart, Timothy A. APPLICANT: Williams, P. APPLICANT: Wood, William I. TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FILE REFERENCE: P2630P1C11 CURRENT PFLIING DATE: 2001-10-15 PRIOR APPLICATION NUMBER: 09/918585		
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                                                                                                                     APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
TILE REFERENCE: P2630PIC27
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CURRENT APPLICATION NUMBER: US/09/978, CURRENT FILLING DATE: 2001-10-16 PRIOR APPLICATION NUMBER: 09/918585 PRIOR FILING DATE: 2001-07-30 PRIOR APPLICATION NUMBER: 60/62250 PRIOR FILING DATE: 1997-10-17 PRIOR APPLICATION NUMBER: 60/064249
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Hillan, Kenneth J
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Grimaldi, J. Christopher
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Filvaroff, Ellen
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Botstein, David
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Query Match
Best Local Similarity
Matches 1142; Conserv
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APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Po.
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/066364
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APPLICANT: Botstein, II
APPLICANT: Desnoyers,
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Na
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Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
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Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
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Baker Kevin P.
Botstein, David
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Hillan, Kenneth J
Kljavin, Ivar J.
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Grimaldi, J. Christopher
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Filvaroff, Ellen
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Matches

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Query Match
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OR APPLICATION NUMBER: 60/085579
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OR FILING DATE: 1998-05-15
OR APPLICATION NUMBER: 60/085580
OR FILING DATE: 1998-05-15
OR APPLICATION NUMBER: 60/085573
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 CCCAGGATAAGCAAATTGGGATCTGGAAATGATTTTGAGGTGTTCTTCCAACGACTTGGA
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US-09-999-832A-617
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PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR APPLICATION NUMBER: 60/077450
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APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P
APPLICANT: Botstein, Dav
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APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane
TITLE OF INVENTION: Acids Encoding the Same
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CURRENT APPLICATION NUMBER: US/09/999,
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR APPLICATION NUMBER: 09/918585
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Botstein, David
Desnoyers, Luc
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Grimaldi, J. Christopher
Gurney, Austin J.
Tillian Vonnoth J.
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Gerritsen, Mary E
Goddard, Audrey
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Shelton, David L.
Stewart, Timothy A.
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Kljavin, Ivar J.
Kuo, Sophia S.
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                                        CCCAGGATAAGCAAATTGGGATCTGGAAATGATTTTGAGGTGTTCTTCCAACGACTTGGA
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Pred. No. 0;
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Prior Application removed -
SEQ ID NO 617
                                                                                                                                                         Query Match
Best Local Similarity
Matches 1142; Conserv
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APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C22
CURRENT APPLICATION NUMBER: US/09/978,608A
CURRENT FILING DATE: 2001-10-16
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APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
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                                                 350 GGAGGTGGTGTCCAGCGTGGAAATATCCTAAATCTGAATGGTGCAGGAGACCCCTCTCACA
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                               GGAGGTGGTGCCAGCGTGGAAATATCCTAAATCTGAATGGTGCAGGAGACCCTCTCACA
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Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
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Hillan, Kenneth J
Kljavin, Ivar J.
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Grimaldi, J. Christopher
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Gerritsen, Mary E
Goddard, Audrey
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Filvaroff, Ellen
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GENERAL INFORMATION:
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; ORGANISM: Homo Sapien
US-09-978-585A-617
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APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C15
CURRENT APPLICATION NUMBER: US/09/978,585A
CURRENT FILING DATE: 2001-10-16
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 617
LENGTH: 2558
TYPPE: TANS
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 1142; Conserv
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   650 AATGAAGTGACGAGAATTTACAATGTGATAGGTACTCTCAGAGGAGCAGTGGAACCAGAC
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                                                                                                                                                                                                CCAAGTATTCCTGTTCATCCAGTTGGATACTATGATGCACAGAAGCTCCTAGAAAAAATG
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Botstein, David
Desnoyers, Luc
Eaton, Dan
                                                             GGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCACTCTACC 649
                                                                                                                         GGTGGCTCAGCACCAGATAGCAGCTGGAGAGGAGGTCTCAAAGTGTCCTACAATGTT 589
                                                                                                                                                                                                                                                 CCAGGTTACCCAGCAAATGAATATGCTTATAGGCGTGGAATTGCAGAGGCTGTTGGTCTT
                                                                                                         GGTGGCTCAGCACCACCAGATAGCAGCTGGAGAGGAAGTCTCAAAGTGCCCTACAATGTT 1170
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Shelton, David L.
Stewart, Timothy A.
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Gerritsen, Mary E.
Goddard, Audrey
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Gao, Wei-Qiang
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Kuo, Sophia S.
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Pred. No. 0;
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RESULT 8
US-09-978-191A-617
US-09-978-191A-617
Sequence 617, Application US, Sequence 617, Application VS.
Publication No. US2003005023;
GENERAL INFORMATION:
APPLICANT: Bakker Kevin P.
APPLICANT: Baker Kevin P.
APPLICANT: Bestetin, David APPLICANT: Desnoyers, Luc APPLICANT: Eaton, Dan
APPLICANT: Fetrara, Napolec APPLICANT: Fong, Sherman
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
                       APPLICANT:
      PPLICANT
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Botstein, David
Desnoyers, Luc
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Gerritsen, Mary E.
Goddard, Audrey
                                                                               Ferrara, Napoleon
Filvaroff, Ellen
Fong, Sherman
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                                                              Wei-Qiang
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CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/91885
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/062250
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/063311
PRIOR FILING DATE: 1997-11-13
PRIOR PILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-21
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/06364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077632
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
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APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
TITLE OF INVENTION: Secreted and Transmembrane
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C4
                                                                                                                                                                                                                                                                                                                    OR APPLICATION NUMBER: 60/077649
OR FILING DATE: 1998-03-11
OR APPLICATION NUMBER: 60/077791
OR APPLICATION NUMBER: 60/0778004
OR APPLICATION NUMBER: 60/078004
OR FILING DATE: 1998-03-12
OR APPLICATION NUMBER: 60/078936
OR APPLICATION NUMBER: 60/078936
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/078910
OR APPLICATION NUMBER: 60/078910
OR APPLICATION NUMBER: 60/078939
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/079294
OR APPLICATION NUMBER: 60/079294
OR APPLICATION NUMBER: 60/079656
OR APPLICATION NUMBER: 60/079664
OR FILING DATE: 1998-03-26
OR APPLICATION NUMBER: 60/079664
OR FILING DATE: 1998-03-27
OR APPLICATION NUMBER: 60/079668
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Grimaldi, J. Christ
Gurney, Austin L.
Hillan, Kenneth J
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Shelton, David L.
Stewart, Timothy A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sophia S.
                                                                                                                       NUMBER:
                                                                                                                                                                                                     NUMBER: 60/079786
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                                       NUMBER: 60/080107
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J. Christopher
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  60/080165
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APPLICATION NUMBER: 60/080333
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APPLICATION NUMBER: 60/080194
FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080327
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APPLICATION NUMBER: 60/081071
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APPLICATION NUMBER: 60/085704
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APPLICATION NUMBER: 60/08580
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APPLICATION NUMBER: 60/085573
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APPLICATION NUMBER: 60/085579
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APPLICATION NUMBER: 60/085339
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APPLICATION NUMBER: 60/084640
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                    APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Botstein, David
APPLICANT: Besnoyers, Luc
APPLICANT: Baton, Dan
APPLICANT: Fatrara, Napole
APPLICANT: Filvaroff, Elle
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wel-Qiang
APPLICANT: Gerber, Hanspet
APPLICANT: Gerber, Mary
APPLICANT: Goddard, Audrey
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Gerber, Hanspeter
Gerritsen, Mary E.
Geddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Botstein, David
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APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, p. Mickey
APPLICANT: Wood, Williams I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nuc.
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PlC17
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CURRENT FILING DATE: 2002-03-19
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILLING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
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OR APPLICATION NUMBER: 60/077450
OR RILING DATE: 1998-03-10
OR APPLICATION NUMBER: 60/077632
OR FILING DATE: 1998-03-11
OR APPLICATION NUMBER: 60/077641
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OR FILING DATE: 1998-03-12
OR APPLICATION NUMBER: 60/078004
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OR APPLICATION NUMBER: 60/078886
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/078936
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OR APPLICATION NUMBER: 60/078910
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R APPLICATION NUMBER: 60/079923

DR FILING DATE: 1998-03-30

DR APPLICATION NUMBER: 60/080105

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DR APPLICATION NUMBER: 60/080165
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DR FILING DATE: 1998-03-27
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FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080194
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APPLICATION NUMBER: 60/81049
FILING DATE: 1998-04-08
APPLICATION NUMBER: 60/081071
FILING DATE: 1998-04-08

FILING DATE: 1998-04-01 APPLICATION NUMBER: 60/081070

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BR FILLING DATE: 1998-05-13
DR APPLICATION NUMBER: 60/08523
DR FILING DATE: 1998-05-13
DR APPLICATION NUMBER: 60/085582
DR APPLICATION NUMBER: 60/085700
DR FILING DATE: 1998-05-15
DR APPLICATION NUMBER: 60/085689
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DR APPLICATION NUMBER: 60/084627

DR FILING DATE: 1998-05-07

DR APPLICATION NUMBER: 60/084643

DR FILING DATE: 1998-05-07

DR APPLICATION NUMBER: 60/085339

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AGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTTGGTGGTATTGACCCTCAG
                                                              AGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTGGTGGTATTGACCCTCAG
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DR APPLICATION NUMBER: 60/081195
OR FILING DATE: 1998-04-09
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OR APPLICATION NUMBER: 60/08256
OR FILING DATE: 1998-04-15
OR APPLICATION NUMBER: 60/08256
OR FILING DATE: 1998-04-21
OR APPLICATION NUMBER: 60/08270
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OR APPLICATION NUMBER: 60/08270
OR APPLICATION NUMBER: 60/08270
OR APPLICATION NUMBER: 60/08279
OR APPLICATION NUMBER: 60/08336
OR FILING DATE: 1998-04-22
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DR FILING DATE: 1998-04-29

DR APPLICATION NUMBER: 60/083500

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DR APPLICATION NUMBER: 60/083742

DR FILING DATE: 1998-04-30

DR FILING DATE: 1998-05-05

DR APPLICATION NUMBER: 60/084316

DR APPLICATION NUMBER: 60/084414

DR FILING DATE: 1998-05-06

DR APPLICATION NUMBER: 60/084411

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Sequence 617, Application US/0
Publication No. US20030050241A
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Botstein, David
APPLICANT: Betron, Dan
APPLICANT: Betron, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Goo, Wei-Qiang
APPLICANT: Goo, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerber, Hanspeter
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Grimaldi, J. Christ
APPLICANT: Hillan, Kenneth J
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
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US-09-978-564A-617
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                                                       Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
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                   Kuo, Sophia S.
Napier, Mary A.
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o. US20030050241A1
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APPLICANT: WOOD, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2630P1C25
CURRENT APPLICATION NUMBER: US/09/978,564A
CURRENT ETLING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 1997-10-30
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/06364
PRIOR APPLICATION NUMBER: 60/077450
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR FILING DATE: 1998-03-10
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/07632
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PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR APPLICATION NUMBER: 60/077791
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PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
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                                                                      OR FILING DATE: 1998-03-31
OR APPLICATION NUMBER: 60/80107
OR FILING DATE: 1998-03-31
OR APPLICATION NUMBER: 60/080165
OR FILING DATE: 1998-03-31
OR APPLICATION NUMBER: 60/080194
OR FILING DATE: 1998-03-31
OR APPLICATION NUMBER: 60/080327
OR APPLICATION NUMBER: 60/080327
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RAPPLICATION NUMBER: 60/079656

R FILING DATE: 1998-03-26

R APPLICATION NUMBER: 60/079664

R APPLICATION NUMBER: 60/079689

R FILING DATE: 1998-03-27

RELING DATE: 1998-03-27
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FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/078936
FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/078910
APPLICATION NUMBER: 60/080328
FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/080333
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FILING DATE: 1998-03-27
APPLICATION NUMBER: 60/079728
                                                           FILING DATE: 1998-04-01
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APPLICATION NUMBER: 60/080105
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APPLICATION NUMBER: 60/079923
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APPLICATION NUMBER: 60/079920
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FILING DATE: 1998-03-13
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Shelton, David L
Stewart, Timothy A.
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ns, P. Mickey
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R FILING DATE: 1998-04R APPLICATION NUMBER:
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R APPLICATION NUMBER:
R FILING DATE: 1998-04-

1998-04-1998-04-01

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NUMBER: 60/080334

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Matches 1142;
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FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085323
FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085582
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FILING DATE: 1998-05
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APPLICATION UNMBER: 60/085704
APPLICATION NUMBER: 60/085697
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                                                                                                                                                                                                                     GGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCACTCTACC
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                                                                                                                                              AATGAAGTGACGAGAATTTACAATGTGATAGGTACTCTCAGAGGAGCAGTGGAACCAGAC
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TGGAGACCTAGAAGAACAATTTTGTTTGCAAGCTGGGATGCAGAAGAATTTGGTCTTCTT
                            AGTGGAGCAGCTGT
                                                        \mathtt{AGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTGGTGGTATTGACCCTCAG}
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Pred. No. 0;
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DR APPLICATION NUMBER: 60/082804
DR FILLING DATE: 1998-04-22
DR APPLICATION NUMBER: 60/082700
DR FILING DATE: 1998-04-22
DR APPLICATION NUMBER: 60/082797
DR FILING DATE: 1998-04-22
DR APPLICATION NUMBER: 60/082796
DR APPLICATION NUMBER: 60/082796
DR APPLICATION NUMBER: 60/082336

APPLICATION NUMBER: 60/082568 FILING DATE: 1998-04-21 APPLICATION NUMBER: 60/082569

APPLICATION NUMBER: 60/081838 FILING DATE: 1998-04-15

APPLICATION | FILING DATE:

NUMBER: 60/081952

1998-04-

FILING DATE: 1998-04-21 APPLICATION NUMBER: 60/082704 FILING DATE: 1998-04-22

APPLICATION NUMBER: 60/081817 FILING DATE: 1998-04-15 APPLICATION NUMBER: 60/081819 FILING DATE: 1998-04-15

FILING DATE: 1998-04-09 APPLICATION NUMBER: 60/081955 FILING DATE: 1998-04-09 APPLICATION NUMBER: 60/081229

FILING DATE:

1998-04-

FILING DATE: APPLICATION !

NUMBER: 60/081203

1998-04-08

FILING DATE: 1998-04-08 APPLICATION NUMBER: 60/081195 APPLICATION NUMBER: 60/081071 APPLICATION NUMBER: 60/081049

FILING DATE: 1998-04-08

PRIOR PRIOR

APPLICATION NUMBER: 60/083554 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083558 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083559

APPLICATION NUMBER: 60/083499
FILING DATE: 1998-04-29
APPLICATION NUMBER: 60/083545
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APPLICATION NUMBER: 60/083495
FILING DATE: 1998-04-29
APPLICATION NUMBER: 60/083496
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FILING DATE: 1998-04-28 APPLICATION NUMBER: 60/083392

FILING DATE: 1998-04-27 APPLICATION NUMBER: 60/083322

DR FILING DATE: 1998-04-29
DR APPLICATION NUMBER: 60/083500
DR FILING DATE: 1998-04-29
DR APPLICATION NUMBER: 60/083742
DR FILING DATE: 1998-04-30
DR FILING DATE: 1998-05-05
DR FILING DATE: 1998-05-05
DR APPLICATION NUMBER: 60/084414
DR FILING DATE: 1998-05-06
DR APPLICATION NUMBER: 60/084414
DR FILING DATE: 1998-05-06
DR APPLICATION NUMBER: 60/084637
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DR APPLICATION NUMBER: 60/084639

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RESULT 11
US-09-999-833A-617
Sequence 617, Application US/
Publication No. US20030054405,
GENERAL INFORMATION:
APPLICANT: Baker Kevin P.
APPLICANT: Beterin, David
APPLICANT: Botstein, David
APPLICANT: Besnoyers, Luc
APPLICANT: Eaton
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Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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                                                                                                                                                                 Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
                                                                                                                                                                                                                                   Godowski, Paul J.
Grimaldi, J. Christopher
                                                                                                                                                                                                                                                                              Gerritsen, Mary E. Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                  Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                                                                                                                                                                             Gerber, Hanspeter
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                                                                                                                    Napier, Mary A.
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o. US20030054405A1
                                                                                                   James;
                                                                                                                                              Sophia S.
                                                                           Nicholas F
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f, Ellen
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CURRENT APPLICATION VUMBER: 09/91885
PRIOR PILLING DATE: 2001-07-30
PRIOR PILLING DATE: 2001-07-30
PRIOR PILLING DATE: 2001-07-30
PRIOR PILLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064249
PRIOR PILLING DATE: 1997-11-03
PRIOR PILLING DATE: 1997-11-13
PRIOR PILLING DATE: 1997-11-21
PRIOR PILLING DATE: 1997-11-21
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PRIOR APPLICATION NUMBER: 60/077632
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PRIOR APPLICATION NUMBER: 60/077641
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PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/07791
PRIOR APPLICATION NUMBER: 60/078886
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PRIOR APPLICATION NUMBER: 60/078936
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PRIOR APPLICATION NUMBER: 60/078939
PRIOR APPLICATION NUMBER: 60/079294
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APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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DR FILING DATE: 1998-03-30

RAPPLICATION NUMBER: 60/080105

OR FILING DATE: 1998-03-31

OR APPLICATION NUMBER: 60/080107

OR FILING DATE: 1998-03-31

OR FILING DATE: 1998-03-31

OR APPLICATION NUMBER: 60/080165

OR FILING DATE: 1998-03-31

OR APPLICATION NUMBER: 60/080194

OR FILING DATE: 1998-03-31

OR APPLICATION NUMBER: 60/08027

OR PILING DATE: 1998-04-01

OR APPLICATION NUMBER: 60/080328

OR PILING DATE: 1998-04-01

OR APPLICATION NUMBER: 60/080333

OR FILING DATE: 1998-04-01

OR APPLICATION NUMBER: 60/080333

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OR APPLICATION NUMBER: 60/080334

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FILING DATE: 1998-03-27
APPLICATION NUMBER: 60/079920
FILING DATE: 1998-03-30
APPLICATION NUMBER: 60/079923
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OR APPLICATION NUMBER: 60/081952
OR FILING DATE: 1998-04-15
OR APPLICATION NUMBER: 60/08188
OR FILING DATE: 1998-04-15
OR APPLICATION NUMBER: 60/082568
OR FILING DATE: 1998-04-21
OR APPLICATION NUMBER: 60/082568
OR FILING DATE: 1998-04-21
OR APPLICATION NUMBER: 60/082704
OR FILING DATE: 1998-04-22
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OR FILING DATE: 1998-04-22
OR APPLICATION NUMBER: 60/082707
OR FILING DATE: 1998-04-22
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OR APPLICATION NUMBER: 60/08336
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OR APPLICATION NUMBER: 60/08356
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OR APPLICATION NUMBER: 60/08359
DR FILING DATE: 1998-05-07

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DR APPLICATION NUMBER: 60/084640

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DR FILING DATE: 1998-05-07

DR APPLICATION NUMBER: 60/084598

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APPLICATION NUMBER: 60/081817
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APPLICATION NUMBER: 60/081195
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APPLICATION NUMBER: 60/081049
FILING DATE: 1998-04-08
APPLICATION NUMBER: 60/081071
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APPLICATION NUMBER: 60/084637
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APPLICATION NUMBER: 60/084441
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GGTTCTACTGAGTGGGCAGAGGATAATTCAAGACTCCTTCAAGAGCGTGGCGTGGCTTAT
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          INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Tumas, bu.

*Williams, P. Mil.

*"and, William I.

*Georeted
                                                                                                Paoni, Nicholas F.
Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ashkenazi, Avi
Baker Kevin P.
Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAAATCTACA 1439
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Hillan, Kenneth J
Kljavin, Ivar J.
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Godowski, Paul J.
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Gerritsen, Mary E.
                                                                                                                                                                                                                            Napier, Mary A.
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Filvaroff,
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                                                                                                                                                                                                             James
                                                                                                                                                                                                                                                     vin, Ivar J.
Sophia S.
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f, Ellen
                                                            P. Mickey
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CURRENT APPLICATION NUMBER: US/09/981,915A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-11-31
PRIOR PHILING DATE: 1997-11-32
PRIOR PHILING DATE: 1997-11-33
PRIOR APPLICATION NUMBER: 60/06331
PRIOR PHILING DATE: 1997-11-31
PRIOR PHILING DATE: 1997-11-31
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/077632
PRIOR PHILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR PHILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR APPLICATION NUMBER: 60/077649
PRIOR PILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/078004
PRIOR PILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078936
PRIOR PRIOR PRIOR DATE: 1998-03-20
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OR FILING DATE: 1998-03-27
OR APPLICATION NUMBER: 60/079663
OR FILING DATE: 1998-03-27
OR APPLICATION NUMBER: 60/079728
OR APPLICATION NUMBER: 60/079786
OR APPLICATION NUMBER: 60/079920
OR APPLICATION NUMBER: 60/079920
OR APPLICATION NUMBER: 60/079923
OR APPLICATION NUMBER: 60/080105
OR FILING DATE: 1998-03-30
OR APPLICATION NUMBER: 60/080105
OR FILING DATE: 1998-03-31
OR APPLICATION NUMBER: 60/080107
OR APPLICATION NUMBER: 60/080105
OR APPLICATION NUMBER: 60/080105
OR FILING DATE: 1998-03-31
OR APPLICATION NUMBER: 60/080194
OR APPLICATION NUMBER: 60/080327
OR APPLICATION NUMBER: 60/080328
OR APPLICATION NUMBER: 60/080333
OR APPLICATION NUMBER: 60/080333
OR FILING DATE: 1998-04-01
OR APPLICATION NUMBER: 60/080333
OR FILING DATE: 1998-04-01
OR APPLICATION NUMBER: 60/080334
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OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/078910
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: 60/078939
OR APPLICATION NUMBER: 60/079893
OR APPLICATION NUMBER: 60/079294
OR APPLICATION NUMBER: 60/079294
OR FILING DATE: 1998-03-25
OR APPLICATION NUMBER: 60/079664
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                                APPLICATION : FILING DATE:
                                NUMBER: 60/081049: 1998-04-08
          60/081071
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FILING DATE:

NUMBER: 60/081195

FILING DATE: 1998-04-09 APPLICATION NUMBER: 60/081955 APPLICATION NUMBER: 60/081229

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DR FILLING DATE: 1998-05-13

DR APPLICATION NUMBER: 60/08582

DR FILLING DATE: 1998-05-15

DR APPLICATION NUMBER: 60/085700

DR FILLING DATE: 1998-05-15
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FILING DATE: 1998-05-15
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FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
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APPLICATION NUMBER: 60/085339
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ATTAATGCTGACTCATCTATAGAAGGAAACTACACTCTGAGAGTTGATTGTACACCACTG
                                   GGTTCTACTGAGTGGGCAGAGAGAATTCAAGACTCCTTCAAGAGCGTGGCCTGGCTTAT
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DR FILING ANTE: 1998-04-15
DR APPLICATION NUMBER: 60/081817
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DR APPLICATION NUMBER: 60/08256
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DR APPLICATION NUMBER: 60/082704
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DR APPLICATION NUMBER: 60/08359
OR FILING DATE: 1998-04-29
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Paon, Roy, Shel Stew Tuma Will Wood NVENTIN ENCE: ENCE: LING D	US-09-978-824-617 Sequence 617, Application US/09978824 Publication No. US20030055216A1 GENERAL INFORMATION: APPLICANT: Ashkenazi, Avi APPLICANT: Baker Kevin P. APPLICANT: Baker Kevin P. APPLICANT: Bactsein, David APPLICANT: Eaton, Dan APPLICANT: Filvaroff, Ellen APPLICANT: Filvaroff, Ellen APPLICANT: Fong, Sherman APPLICANT: Georber, Hanspeter APPLICANT: Gerritsen, Mary E. APPLICANT: Godowski, Paul J. APPLICANT: Gurmey, Austin L. APPLICANT: Hillan, Kenneth J. APPLICANT: Kijavin, Ivar J. APPLICANT: Napier, Mary A.	Db 1531 ATTAATGCTGACTCATCTATGAAGGAAACTACACTCTGAGAGTTGATAGAAGCCTGA Qy 1010 ATGTACAGCTTGGTATACAACCTAACAAAGAGCTGAAAAGCCCTGAGAGTTGATGTACACCCTGA Db 1591 ATGTACAGCTTGGTATACAACCTAACAAAAGAGCCTGAAAAGCCCTGATGAAGGCTTTGAA Qy 1070 GGCAAATCTCTTTATGAAAGTTGGACTAAAAAAAGTCCTTCCCCAGAGTTCAGGCTTTGAA Qy 1130 CCCAGGATAAGCAAATTGGGATCTGGAAAAAAAAGTCCCTTCCCCAACGACTTCGACATTGAA Db 1711 CCCAGGATAAGCAAATTGGGATCTGGAAATTGATTTTGAGGTGTTCTCCCAACGACTTGGA Qy 1130 CCCAGGATAAGCAAATTGGGATCTGGAAATTGATTTTGAGGTGTTCCTCCAACGACTTGGA Db 1771 CCCAGGATAAGCAAATTGGGATCTGGAAATTGATTTTGAGGTGTTCTTCCCAACGACTTGGA Qy 1130 CCCAGGATAAGCAAATTGGGATCTGGAAAATTGATTTTGAGGTGTTCTTCCCAACGACTTGGA Db 1771 CCCAGGATAAGCAAATTGGGATCTGAAAATTGGGAAACAAAC
JING DATE: 1998- LICATION NUMBER LING DATE: 1998-	RPLICATION RPLICATION RILING DATE RPPLICATION RPPLICAT	PRIOR APPLICATION NUMBER: 09/918585 PRIOR FILING DATE: 2001-07-30 PRIOR APPLICATION NUMBER: 60/062250 PRIOR APPLICATION NUMBER: 60/064249 PRIOR APPLICATION NUMBER: 60/064249 PRIOR APPLICATION NUMBER: 60/064341 PRIOR PILING DATE: 1997-11-13 PRIOR PRIOR APPLICATION NUMBER: 60/0766364 PRIOR APPLICATION NUMBER: 60/077450 PRIOR APPLICATION NUMBER: 60/077632 PRIOR APPLICATION NUMBER: 60/077641 PRIOR APPLICATION NUMBER: 60/077641 PRIOR APPLICATION NUMBER: 60/077649 PRIOR APPLICATION NUMBER: 60/077649 PRIOR APPLICATION NUMBER: 60/077791 PRIOR APPLICATION NUMBER: 60/077791 PRIOR APPLICATION NUMBER: 60/078936 PRIOR APPLICATION NUMBER: 60/078939 PRIOR APPLICATION NUMBER: 60/079636

FILING DATE:
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PRIOR PRIOR

APPLICATION NUMBER: 60/082569 FILING DATE: 1998-04-21

OR APPLICATION NUMBER: 60/081819
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PR APPLICATION NUMBER: 60/082797

PR FILING DATE: 1998-04-23

PR APPLICATION NUMBER: 60/08336

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PR APPLICATION NUMBER: 60/08332

DR FILING DATE: 1998-04-29

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Roy, Margaret An Shelton, David I Stewart, Timothy Tumas, Daniel Williams, P. Michael Wood, Williams, P. Michael Williams, P. Michae	Z Z W W L H H H H O O O O O O O H H H H H H H	
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APPLICATION NUMBER: 60/085700
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1951 TCCATAGIGCTCCCTTTTGATTGTCGAGATTATGCTGTAGTTTTAAGAAAGTATGCTGAC 2010	Db 1951 TOURTAGIGUTCOUT
1891 TTTAAATATCACCTCACTGTGGCCCAGGTTCGAGGAGGGATGGTGTTTTGAGCTAGCCAAT 1950 1370 TCCATAGTGCTCCCTTTTGATTGTCGAGATTATGCTGTAGTTTTTAAGAAAGTATGCTGAC 1429	1891 1370
1831 CCACTGTATCACAGTGTCTATGAAACATATGAGTTGGTGGAAAAGTTTTTATGATCCAATG 1890 1310 TTTAAATATCACCTCACTGTGGCCCAGGTTCGAGGAGGGATGGTGTTTGAGCTAGCCAAT 1369 	Db 1831 Qy 1310
1771 ÁTTGCTTCÁGGCAGAGCACGGTATÁCTAAAÁATTGGGAAÁCAÁACAÁATTCÁGCGGCTÁT 1830 1250 CCACTGTATCACAGTGTCTATGAAACATATGAGTTGGTGGAAAGTTTTATGATCCAATG 1309 	Db 1771 Qy 1250
1711 CCCAGGATAAGCAAATTGGGAATCTGAAATTTTTGAGGTGTTTCTTCCAACGACTTGGA 1770 1190 ATTGCTTCAGGCAGGAGCACGGTATACTAAAATTGGGAAACAAAC	Db 1711 Qy 1190

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7 UI-HF-C	CF14665	14	657	-	N	9
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ALIGNMENTS

DEFINITION ACCESSION VERSION KEYWORDS PUBMED COMMENT REFERENCE AUTHORS SOURCE ORGANISM RESULT 1 BG208080/c LOCUS JOURNAL MEDLINE HITLE Contact: Scott J. Cain Atherays, Inc. 3201 Carnegie Ave, Cleveland, OH 44115, USA Tel: 216 431 9900 Fax: 216 361 9596 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 776)

Harrington,J.J., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R., Cain,S., Leventhal,C., Thornton,M., Ramachandran,R., Whittington,J., Lerner,L., Costanzo,D., McElligott,K., Boozer,S., Whittington,J., Lerner,L., Costanzo,D., McElligott,K., Boozer,S., Mays,R., Smith,E., Veloso,N., Klika,A., Hess,J., Cothren,K., Lo,K. Mays,R., Smith,E., Veloso,N., Klika,A., Hess,J., Cothren,K., Lo,K. Cfenbacher,J., Danzig,J. and Ducar,M. Creation of genome-wide protein expression libraries using random activation of genome-wide protein expression libraries using random Nat. Biotechnol. 19 (5), 440-445 (2001) Homo sapiens (human) EST. BG208080 776 bp mRNA linear EST 21-APR-2 RST27570 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence. BG208080 BG208080.1 11329013 GI:13729767 Cothren, K., Lo, K., EST 21-APR-2001

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SOURCE
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High quality sequence stop: 453.
Location/Qualifiers
                                                                            AL532732 Homo sapiens ADULT BRAIN Homo CSODNO01YK13 5-PRIME, mRNA sequence
                         Homo
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Homo
                                                  AL532732.2
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            sapiens (human)
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/clone_lib="Athersys RAGE Library"
/clone_lib="Athersys RAGE Library"
/note="See 'Creation of Genome-wide Protein Expression
/ibraries using Random Activation of Gene Expression',
Nature Biotechnology, in press. Note that even though the
cell type indicated is HT1080, since a random activation
method was used, these sequence tags are not necessarily
expressed in HT1080 under normal circumstances."
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/db_xref="taxon:9606"
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Pred. No. 4.2e-90;
0; Mismatches 1;
                                                                                          sapiens cDNA
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290 GACCCTGCTGACTACTTTGCTCCTGGGGTGAAGTCCTATCCAGACGGTTGGAATCTTCCT
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1 (bases 1 to 1201)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On Feb 13, 2001 this sequence version replaced gi:127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSODNOO1AF07QPl&cluster=5903.r. Conta-
Feng Liang Email: fliangslifetech.com URL:
http://fulllength.invitrogen.com/ InVitrogen Corporation 1600
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Library was constructed by Life Technologies,
Invitrogen. This sequence belongs to sequence
more information about this cluster, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Faraday Avenue Genoscope sequence ID : CSODN001AF07QP1.
Location/Qualifiers
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BP 191 91006 EVRY cedex - France
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AGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTGGTGGTATTGACCCTCAG
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/clone_lib="Homo sapiens ADULT BRAIN"
/clone_lib="Homo sapiens ADULT BRAIN"
/note="Torgan; brain; Vector; pCMVSPORT 6; 1st strand cDNA
was primed with a NotI-oligo(dT) primer. Five prime end
enriched, double-strand cDNA was digested with Not I and
cloned into the Not I and BOORV sites of the pCMVSPORT 6
vector. Library was not normalized."
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CSODN001YK13"
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Pred. No. 2e-77;
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Technologies, a division of
gs to sequence cluster 5903.r
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Kristi A. Egland, Ira Pastan
cDNA Library Preparation: Invitrogen Corp
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
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NIH-MGC http://mgc.nci.nih.gov/.
NATIONAL Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                               found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sapiens
                                           /Clone lib="MAPCL"
/rote="Vector: pCMV-SPORT6; Site_1: BcoRV; Site_2: Not I;
Subtracted with brain, liver, lung, kidney and muscle.
Birectionally cloned. Priming method: oligo-dT. Average insert size: 1800 bp. Library amplification: 26,000 fold.
Kristi A. Egland, James J. Vincent, Robert Strausberg,
Bungkook Lee & Ira Pastan: Discovery of new breast
                                  cancer genes encoding membrane and secreted proteins.
                                                                                                                                                                                                             /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6722010"
/cell_line="ZR-75-1, MCF7,
hTERT-HME1, LNCAP"
                                                                                                                                                                                                                                                                                                                organism="Homo sapiens'
                                                                                                                                                                                               lab host="EMDH10B"
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1 (Dases 1 to 885)

NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                      CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://imagge.llnl.gov
http://imagge.llnl.gov
plate: LLAM13620 row: m column: 19
                                                                                                                                                                                                                                   Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Dr. James R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CA976138 885 bp mRNA 1
AGENCOURT_8955013 Lupski_sciatic_nerve Homo
IMAGE:6202554 5', mRNA sequence.
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                                                                                       quality sequence stop:
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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
                                                                    Location/Qualifiers
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Pred. No. 1.4e-70;
0; Mismatches 2;
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Best Local Similarity
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Eukaryoča; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria, Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 916)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov
Tlssue Procurement: Kristi A. Egland, Ira Pastan
cDNA Library Preparation: Invitrogen Corp
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINL)

DNA Sequencing by: Agencourt Bioscience Corporation
                                                                                                                                                                                                                                                                                                                                                                                        mRNA sequence.
CA488428
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                                                                                                                                                                                                                                                                                             sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone_lib="Lupski_sciatic_nerve"
/note="Vector: pCMV-SPORT6 (Life Technologies); Sir
Not1; Site_2: Sal1; cDNA made by oligo-dT priming.
Directionally cloned using the following adaptors:
5'-TCGACCCACGCGTCCG-3' and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /tissue_type="sciatic nerve"
/dev_stage="adult, 70 yr"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sex="male"
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Pred. No.
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Best Local Similarity
                       AUTHORS
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                                                                                                                                                                                                                                                                                                               402
Eukaryota; Metazoa; Chordata; Crai
Mammalia; Eutheria; Primates; Cat
1 (bases 1 to 563)
Hegde,P., Qi,R., Abernathy,K., Dh;
Holt,I.E., Saeed,A.I., Sharov,V.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Clone distribution: MGC clone distribution information found through the I.M.A.G.B. Consortium/LLNL at: http://image.llnl.gov Plate: LLAM14279 row: e column: 17
                                                                                                 Homo sapiens
                                                                                                                                                                          EST363477 MAGE resequences, AW951407
                                                                                                                     Homo sapiens
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                                                                                                                                                                                                                                                                                                                                     TTGATTGTCGAGATTATGCTGTAGTTTTAAGAAAGTATGCTGACAAAATCTACA 1439
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Location/Qualifiers
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/note="Vector: pCMV-SPORT6; Site_1: EcoRV; Site_2: Not I;
/note="Vector: pCMV-SPORT6; Site_1: EcoRV; Site_2: Not I;
Subtracted with brain, liver, lung, kidney and muscle.
Directionally cloned. Priming method: oligo-dT. Average insert size: 1800 bp. Library amplification: 26,000 fold.
Kristi A. Egland, James J. Vincent, Robert Strausberg,
Bungkook Lee & Irra Pastan: Discovery of new breast cancer genes encoding membrane and secreted proteins.
Manuscript submitted."
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone="IMAGE:6720185"
/cell_line="ZR-75-1, M
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Pred. No. 9.8e-69;
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                                                                                                                                                                                                                  563
                                                                                                                                                                                              MAGB Homo sapiens cDNA,
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                                                           Craniata; Vertebrata;
Catarrhini; Hominidae
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   Dharap,S., G
V., Lee,N.H.,
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       Gaspard, R., Gay, C., Yeatman, T.J. and
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                                                                                 Euteleostomi;
                                                                                                                                                                                                mRNA sequence.
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Matches 383
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1201)

Li,W.B., Gruber,C., Jessee,J. and Polayes,D.

Full-length cDNA libraries and normalization

Unpublished (2001)

On Feb 15, 2001 this sequence version replaced gi:12913887.

Contact: Genoscope
Genoscope - Centre National de Sequencage

BP 191 91006 EVRY cedex - France
                                                                                                                                                                                                                                                                       AL563970 Homo sapiens FETAL LIVER Homo sapiens cDNA clone CSODMOO1YE22 3-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Assessment of gene expression patterns in a model of metastasis using a 19,200 element cDNA microarray Unpublished (2000)
Contact: John Quackenbush
The Institute for Genomic Research
9712 Medical Center Dr., Rockville, MD 20850, USA
Tel: 301 838 3528
Fax: 301 838 0208
                                                                                                                                                                                    Homo
                                                                                                                                                                                                   Homo sapiens (human)
                                                                                                                                                                                                                                       AL563970.2 GI:31287955
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                johng@tigr.org
27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="MAGE reseque:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone lib="MAGE resequences, |
/note="Vector: pBluescriptSKm"
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Best Local Similarity
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 390)

Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R. washU-NCI human EST Project
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cgi-bin/cluster.cgi?seq=CSODM001BC11NP1&cluster=5903.r. Comparation of the provided HTP://fulllength.invitrogen.com/ Invitrogen Corporation http://fulllength.invitrogen.com/ Invitrogen Corporation http://fulllength.invitrogen.com/ Invitrogen CSODM001BC11NP1.
                                                                                                                                                                                                                                                                                       AA435800 390 bp mRNA zt78a10.s1 Soares testis NHT Homo sapiens 3' similar to 9b:M99487 PROSTATE-SPECIFIC (HUMAN); contains Alu repetitive element;
                                                                                                                                                                                                                                EST
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AA435800.1
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Location/Qualifiers
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Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 5903.r
more information about this cluster, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TGTCGAGATTATGCTGTAGTTTTAAGAAAGTATGCTGACAAAATCTACA 1439
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/note="Organ; liver; Vector: pCMVSPORT 6; lst strand cDNA
/note="Organ; liver; Vector: primer. Five prime end
was primed with a NotI-Oligo(dT) primer. Five prime end
enriched, double-strand cDNA was digested with Not I and
cloned into the Not I and ECORV sites of the pCMVSPORT 6
vector. Library was not normalized."
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/db_xref="taxon:9606"
/clone="CS0DM001YE22"
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/dev_stage="fetal"
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Pred. No. 9.8e-57;
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MEMBRANE ANTIGEN
mRNA sequence.
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AL532691/c
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AL532691.2
EST.
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AL532691 Homo sapiens ADULT BRAIN Homo
CSODNOO1YK13 3-PRIME, mRNA sequence.
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Fax: 314 286 1810
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Contact: Wilson RK
Washington University School of Medicine
Washington University School of Medicine
M444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                           GAAGTAGCCTAAGAGGATTCTTTAGAGACTCTGTATTGAATTTTGTGTGGGTATGTCACTCA
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sapiens (human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /lab host="DH10B"
/lab host="DH10B"
/clone lib="Soares testis NHT"
/clone lib="Soares testis NHT"
/note="Vector: pTT73D-Pac (Pharmacia) with a modified
polyllinker; Site 1: Not I; Site 2: Eco RI; 1st strand cDI
was prepared from mRNA obtained from Clontech
was prepared from mRNA obtained from Clontech
Laboratories, Inc., and primed with a Not I - oligo(dT)
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/db_xref="taxon:9606"
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Pred. No.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1201)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
BG203378 305 bp mRNA linear RST22759 Athersys RAGE Library Homo sapiens cDNA,
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BP 191 91006 EVRY cedex - France

Email: segref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 5903.r For
more information about this cluster, see

http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSODN001AF07NP1&cluster=5903.r. Contact:
Feng Liang Email: fllang@lifetech.com/URL:
http://fulllength.invitrogen.com/InVitroGen.Corporation 1600
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On Feb 13, 2001 this sequence version replaced
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/dev stage="adult"
/dev stage="adult"
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/clone lib="Homo sapiens ADULT BRAIN"
/note="Organ: brain; Vector: pcMvSpORT_6; 1st strand cDNA
/note="Organ: brain; vector pcMvSpORT_6; 1st strand cDNA
/note="Organ: brain;
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CSODN001YK13"
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Pred. No. 1.7e-46;
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Harrington, J. J., Sherf, B., Rundlett, S., Jackson, P.D., Perry, R., Cain, S., Leventhal, C., Thornton, M., Ramachandran, R., Whittington, J., Lerner, L., Costanzo, D., McBiligott, K., Boozer, S., Mays, R., Smith, E., Veloso, N., Klika, A., Hess, J., Cothren, K., Lo, K. Mays, R., Smith, E., Veloso, N., Klika, A., Hess, J., Cothren, K., Lo, K. Offenbacher, J., Danzig, J. and Ducar, M.

Creation of genome-wide protein expression libraries using random activation of gene expression
Nat. Biotechnol. 19 (5), 440-445 (2001)
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EST.
                                              BG202823 797 by RST22191 Athersys RAGE Library BG202823
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BG203378.1 GI:13725065
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 sapiens (human)
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Location/Qualifiers
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/mol type="mRNA"
/db Xref="taxon:9606"
/db Xref="taxon:9606"
/cell_line="HT1080"
/clone lib="Athersys RAGE Library"
/clone lib="Athersys RAGE Library"
/clone sib="See 'Creation of Genome-wide Protein Expression
/note="See 'Creation of Genome-wide Protein Expression',
Nature Siotechnology, in press. Note that even though the
cell type indicated is HT1080, since a random activation
method was used, these sequence tags are not necessarily
expressed in HT1080 under normal circumstances."
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Pred. No.
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1135 G-ATAAGCAAATTGGGATCTGGAAATGATTTTGAGGTGTTCTTCCAACGACTTGGAATTG
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1 (bases 1 to 797)

Harrington,J.J., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R., Cain,S., Leventhal,C., Thornton,M., Ramachandran,R., Whittington,J., Lerener,L., Costanzo,D., McElligott,K., Boozer,S., Whittington,J., Veloso,N., Klika,A., Hess,J., Cothren,K., Lo,K., Mays,R., Smith,E., Veloso,N., Klika,A., Hess,J., Cothren,K., Lo,K., Mays,R., Smith,E., Veloso,N., Klika,A., Hess,J., Cothren,K., Lo,K., Offenbacher,J., Danzig,J. and Ducar,M.

Creation of genome-wide protein expression libraries using random activation of gene expression
Nat. Biotechnol. 19 (5), 440-445 (2001)
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Tel: 216 431 9900
Fax: 216 361 9596
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                                                                                                                                                         TAGTGCTCCCTTTTGATTGTCGAGATTATGCTGTAGTTTTAAGAAAGTATGCTGACAAAA 1433
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TCTACAATATTTCTATGAAACATCCACAGGAAATGAAGACATACAGTTTATCATTTGATT 593
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/note="See 'Creation of Genome-wide Protein Expression
Libraries using Random Activation of Gene Expression',
Nature Biotechnology, in press. Note that even though the
cell type indicated is HT1080, since a random activation
method was used, these sequence tags are not necessarily
expressed in HT1080 under normal circumstances."
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/mol_type="mRNA"
/db_xref="taxon:9606"
/cell_line="HT1080"
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Pred. No. 6.8e-44;
0; Mismatches 2;
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Clone distribution: NCI-CGAP clone distribution information can found through the I.M.A.G.E. Consortium/LLNL at: info@image.llnl.gov
Plate: LLAM13167 row: I column: 4
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NISC_nq10e02.y1 NICHD_HS_Ut2
5',_mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seq primer: M13RP1 reverse primer Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unpublished (1997)
Contact: Robert Strausberg, |
Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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National Cancer Institute, Cancer Genome Anatomy
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TGGGCAGAGGATAATTCAAGACTCCTTCAAGAGCGTGGCGTGGCTTATATTAATGCTGAC
                                                          AGAACAATTTTGCTTTGCAAGCTGGGATGCAGAAGAATTTGGTCTTCTTGGTTCTACTGAG
                                                                             AGAACAATTTTGTTTGCAAGCTGGGATGCAGAAGAATTTTGGTCTTCTTGGTTCTACTGAG
                                                                                                                               CTGGGAGGTCACCGGGACTCATGGGTGTTTTGGTGGTATTGACCCTCAGAGTGGAGCAGCT
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                                                                                                                                                                                                                                                                                                                                                                                                                                    /lab_host="DH10B (T1-resistant)"
/clone lib="WICHD HS_Ut2"
/clone lib="WICHD HS_Ut2"
/note="Torgan: uterus; Vector: pCMV-SPORT6.1.ccdb (ResGen, Invitrogen Corporation); Site_1: NotI; Site_2: EcoRV; Cloned unidirectionally from microquantity amounts of mRNA from normal endometrial tissue (mid-secretory phase, cycle day 23). Average insert size 1.6 kb. Library constructed by ResGen (Invitrogen Corporation)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /tissue_type="normal endometrium, cycle day 23"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /sex="female"
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/db_xref="taxon:9606"
/clone="IMAGE:5938635"
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99.2%;
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Pred. No. 2.5e-43;
0; Mismatches 4;
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1 (bases 1 to 767)

1 (bases 1 to 767)

1 (ain, S., Leventhal, C., Thornton, M., Ramachandran, R., Whittington, J., Lerner, L., Costanzo, D., McBlligott, K., Boozer, S., Whittington, J., Lerner, L., Costanzo, D., McBlligott, K., Boozer, S., Ways, R., Smith, E., Veloso, N., Klika, A., Hess, J., Cothren, K., Lo, K., Mays, R., Smith, E., Veloso, N., Klika, A., Hess, J., Cothren, K., Lo, K., Offenbacher, J., Danzig, J. and Ducar, M.

Creation of genome-wide protein expression libraries using random activation of gene expression
Nat. Biotechnol. 19 (5), 440-445 (2001)
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Tel: 216 431 9900
Fax: 216 361 9596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Email: scain@athersys.com
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Contact: Scott J. Cain
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CTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCACTCTACCAATGAAGTGACGA 662
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                                                            CTGGAAACTTTTCTACACAAAAAGTCAAGATGCACATCCACTCTACCAATGAAGTGACAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      quality sequence
                                                                                                                                          Conservative
                                                                                                                                                                                                                                       /clone lib="Athersys RAGE Library"
/note="See 'Creation of Genome-wide Protein Expression Libraries using Random Activation of Gene Expression',
Nature Biotechnology, in press. Note that even though the cell type indicated is HT1080, since a random activation method was used, these sequence tags are not necessarily expressed in HT1080 under normal circumstances."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Athersys RAGE Library Homo sapiens cDNA, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                   /db_xref="taxon:9606"
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/mol_type="mRNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    location/Qualifiers
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Pred. No. 6.1e-43;
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                                                                             Coordinated Laboratory funiversity of Iowa
375 Newton Road , 4156
Tel: 319 335 8250
Fax: 319 335 9565
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CF135099.1
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97044477
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1 (bases 1 to 427)
Bonaldo,M.F., Lennon,G. and Sos
Normalization and subtraction:
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UI-HF-CB0-aos-a-02-0-UI.r1 NIH_MGC_210
IMAGE:3096075 5', mRNA seguence.
                                                Email: bento-soares@uiowa.edu
Tissue Procurement: Tim Ratlift
                                                                                                                                                        Contact: Soares, MB
                                                                                                                                                                        8889548
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                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                 Homo sapiens
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cDNA Library preparation: Dr. M. Bento Soares, University of Iowa cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
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CF141546.1
                                                                                                         1 (bases 1 to 432)
Bonaldo,M.F., Lennon,G. and Soares,
Normalization and subtraction: two
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UI-HF-CB0-aqa-c-07-0-UI.r1 NIH_I
IMAGE:3099613 5', mRNA sequence
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                                                       Genome Res.
                                                                                       discovery
                                                                                                                                                                                             Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
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/lab host="DH108 (T1 phage resistant)"
/clome libe "NHH MGC 210"
/clome libe "NHH MGC 210"
/note="Organ: Prostate; Vector: pT7T3 Pac; Site_1: EcoR I;
/note="Organ: Prostate; Vector: pT7T3 Pac; Site_1: Pac; Site_
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/db_xref="taxon:9606"
/clone="IMAGE:3096075"
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                       852 TGTTTGCAAGCTGGGATGCAGA 873
                                                                                      351 AAATTGTGAGGAGCTTTGGAACACTGAAAAAGGAAGGGTGGAGACCTAGAAGAACAATTT
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Tissue Procurement: Tim Ratlift
cDNA Library preparation: Dr. M. Bento Soares, University of Iowa
cDNA Library Arrayed by: Dr. M. Bento Soares, University of Iowa
DNA Sequencing by: Dr. M. Bento Soares, University of Iowa
Clone Distribution: Distribution information can be found at
http://genome.uiowa.edu/distribution/humanfl.html
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Coordinated Laboratory for Computational Genomics
University of Iowa
375 Newton Road , 4156 MEBRF, Iowa City, IA 52242, USA
Tel: 319 335 8250
Fax: 319 335 9565
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TGTTTGCAAGCTGGGATGCAGA 432
                                                                                                                                                                                   ACCGGGACTCATGGGTGTTTGGTGGTATTGACCCTCAGAGTGGAGCAGCTGTTGTTCATG
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/mol type="mRNA"
/db_xref="taxon:9606"
/db_xref="taxon:9606"
/clone="IMAGE:3099613"
/clone="IMAGE:3099613"
/tissue_type="CRCAP(3)T-225 cell line"
/lab_host="PH10B (T1 phage resistant)"
/clone lib="NIH MGC 210"
/note="Organ: Prostate; Vector: pT7T3 Pac; Site_1: EcoR I;
Site_2: Not I; The library was constructed according
Bonaldo, Lennon and Soares, Genome Research, 6:791-806,
1996. Denatured RNA was size fractionated on a 1% agarose
gel. First strand cDNA synthesis was primed with Oilgo-dT
primer containing a Not I site. Double strand cDNA was
size selected according to mRNA size fraction, ligated
with EcoR I adaptor, digested with Not I and then cloned
directionally into pT7T3 Pac vector. The library tag
sequence located between the Not I site and the polyA tail
is CCCAC. Tissue was provided by Tim Ratlift."
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Pred. No. 6e-34;
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Search completed: February 17, 2004, 18:08:42

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Minimum
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Perfect score:
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length: 2000000000
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/cgn2_6/ptodata/2/ina/6A_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/6B_COMB.seq:*
/cgn2_6/ptodata/2/ina/backfiles1.seq:*
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US-09-636-215-454
US-09-636-215-454
US-08-705-477E-96
US-08-705-477E-96
US-08-325-553-32
US-08-325-553-32
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US-08-325-553-32
US-08-325-553-32
US-08-326-535-33
US-08-326-536-32
US-08-326-477E-33
US-08-326-477E-33
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US-09-667-135-3	US-08-706-214-2	US-09-248-335-39	US-08-705-477E-125	US-08-705-477E-124	US-09-493-491A-50	US-09-493-491-50	US-09-566-076-1	US-09-080-855-1	US-09-016-434-1489	US-08-863-102-3	US-09-435-019-24	US-09-435-019-23	US-09-123-465-1	US-08-555-723B-1	US-09-247-373B-41	US-08-361-441B-18	US-08-171-385-18
ω,	Sequence 2, Appli	Sequence 39, Appl	Sequence 125, App		Sequence 50, Appl	Sequence 50, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 1489, Ap	Sequence 3, Appli	Sequence 24, Appl	Sequence 23, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 41, Appl	Sequence 18, Appl	Sequence 18, Appl

ALIGNMENTS

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; SEQUENCE DESCRIPTION: US-09-164-034B-1
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US-09-164-034B-1
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Best Local Simi
Matches 1096;
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Mincheff, Milcho S.
Loukinov, I. Dmitri
                                                                                                                                                                                                                                                                                                                                                                               OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect 8
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/164,034B
FILING DATE: 30-Sep-198
ATTORNEY/AGENT INFORMATION:
NAME: Ramsey, William S.
REGISTRATION NUMBER: 32,715
REGISTRATION NUMBER: 32,715
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 21044
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:

ADDRESSE: William S. Ramsey,

Ramsey, Cook, Looper & Kurlander,

STREET: 10420 Little Patuxent Parkway, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICAN: Handlinov, I. Dmitta
Loukinov, I. Dmitta
Zoubak, Serguei
TITLE OF INVENTION: Immunotherapy of Car
of Truncated Tumor-
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                              GAGGCTGTTGGTCTTCCAAGTATTCCTGTTCATCCAGTTGGATACTATGATGCACAGAAG
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GAGGCTGTTGGTCTTCCAAGTATTCCTGTTCATCCAATTGGATACTATGATGCACAGAAG
                                                                        GGAGACCCTCTCACACCAGGTTACCCAGCAAATGAATATGCTTATAGGCGTGGAATTGCA
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TELEFAX: (410) 992-9540
NCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: Maryland
                                                                                                                                                                                                                              Conservative
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Pred. No. 4.3e-271;
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; Sequence 1, Application U
; Patent No. 5538866
; GENERAL INFORMATION:
APPLICANT: Israeli, R
; APPLICANT: Heston, Wa
                                                                             RESULT 2
US-08-325-553-1
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   Israeli, Ron S.
Heston, Warren D.W.
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COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk
COMPUTER: IBM. PC compatible
COMPUTER: IBM. PC compatible
COMPUTER: PAtentin Pelease #1.0, Versi
SOFTWARE: PATENTIN PC-DOS/MS-DOS
SOFTWARE: PATENTIN PC-DOS/MS-DOS
SOFTWARE: PATENTIN PC-DOS/MS-DOS
APPLICATION NUMBER: US/08/325,553
FILING DATE:
CLASSIFICATION UNDER: US/07/973,337A
FILING DATE: 05 NOV 1992
FATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 1747/41426
TELEPHONE: (212) 977-9550
TELEFAX: (212) 664-0525
TELEFAX: (212) 664-0525
TELEFAX: 42523 COOP UI
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2653 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TYPORTOCY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY:
; LOCATION:
US-08-325-553-1
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 1096; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: cDNA HYPOTHETICAL: NO ANTI-SENSE: NO ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Fair, William R.
TITLE OF INVENTION: THE PROSTATE-SPECIFIC MEMBRANE ANTIGEN NUMBER OF SEQUENCES: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IMMEDIATE SOURCE: CLONE: Prostate-Specific Membrane
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Cooper & Dunham
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
TISSUE TYPE: Carcinoma
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GTGCCCTACAATGTTGGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGTCAAGATG
                      GTGTCCTACAATGTTGGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAGGTCAAGATG
                                                                                              CTCCTAGAAAAATGGGTGGCTCAGCACCACCAGATAGCAGCTGGAGAGGAAGTCTCAAA
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Pred. No. 4.2e-271;
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RESULT 3
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                                                                                                                                                                                                                  Sequence 1, Application US/08394152A Patent No. 5935818
                                                 GENERAL INFORMATION:
APPLICANT: Israeli, Ron S.
APPLICANT: Heston, Warren D.W.
APPLICANT: Fair, William R.
APPLICANT: Fair, William R.
TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND TITLE OF INVENTION: USES THEREOF
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: Copper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
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Best Local Similarity
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ZIP: 1036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM 330 466 DX2
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIN Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/394,152A
FILING DATE: 24-FEB-95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2653 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
ATTORNEY AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 4142
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ANTI-SENSE:
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
ORGANISM: Carcinoma
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HYPOTHETICAL: NO
ANTI-SENSE: NO
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LOCATION:
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                                                    GGTATTGACCCTCAGAGTGGAGCAGCTGTTGTTCATGAAACTGTGAGGAGCTTTGGAACA 814
                                                                                                                                                             CACATCCACTCTACCAATGAAGTGACAAGAATTTACAATGTGATAGGTACTCTCAGAGGA
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Pred. No. 4.2e-271;
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Length 2653; Indels

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Gaps

1413

1473

1353 694 1293 1233 574 1113

GAAATATCCTAAATCTGAATGGTGCA 394 	1355	2653 Qy 1295 W: Homo sapiens Db 1954 778-1	CURRENT FILING DATE: 1996-08-29 Qy 1235 NUMBER OF SEQ ID NOS: 128 D 1894 SOFTWARE: Patentin version 3.1 Db 1894 SEO ID NO 1 1894 D 1894	APPLICANT: Pinto, John Oy 1175 TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF FILE REFERENCE: 1769/41426-G CORRENT APPLICATION NUMBER: US/08/705,477E Db 1834	APPLICANT: Israeli, Ron S APPLICANT: Heston, Warren D.W. APPLICANT: Fair, William R. APPLICANT: Overfelli, Ouathek APPLICANT: Overfelli, Ouathek	Qy 1055 -08-705-477E-1 Qy 1055 Sequence 1, Application US/08705477E Db 1714 GRNERAL INCOMMATION:	2074 ÁGÁAÁGTÁTGCTGÁCAÁAATCTÁCÁ 2098	1439 Db 1594	QY 1355 TTTGAGCTAGCCATAGTGCTCCCTTTGATTGTCGAGATTATGCTGTAGTTTTA 1414 Db 1534 GAATTTGGTCTCT:	2013 Qy 875	1354 Db 1474	1235 AAATTCAGCGGCTATCACAGTGTGTATGAAACATATGAGTTGGTGGAAAAG 1294 Db 1414	1834 TTCCAACGACTTGGAATTGCTTCAGGCAGAGCACGGTATACTAAAAATTGGGAAACAAAC	1833 Qy 695 1234 Db 1354	DAGTGGCATGCCCAGGATAAGCAAATTGGGATCTGGAAATGATTTTGAGGTGTTC 1174 Db 1294	Db 1714 GATGAAGGCAAATCTCTTTATGAAAGTAAAAAAAAAGTCCTTCCCCA 1114 Db 1714 GATGAAGGCAAAATCTCTTTATGAAAGTTGGACTAAAAAAAA	1654 GATTGTACACCGCTGATGTACAGCTTGGTACACAAACCTAACAAAAGAGCTGAAAAAGCCCT 1713 Oy 575	QY 995 GATTGTACACCACTGATGTACAGCTTGGTATACAACCTAACAAAAGAGCCTGAAAAAGCCCT 1054 Db 1174 CTCCTAGAAAAAAAAT		935 CGTGGCGTGACTTATTAATGCTGACTCATCTATAGAAGGAAACTACACTCTGAGAGTT 994 Db 1114	1054	
AGAAAGTATGCTGACAAAATCTACA 1439 AGAAAGTATGCTGACAAAATCTACA 2098			AAATTCAGCGGCTATCCACTGTATCACAGTGTCTATGAAACATATGAGTTGGTGGAAAAG 1294 	TTCCAACGACTTGGAATTGCTTCAGGCAGAGCACGGTATACTAAAAATTGGGAAACAAAC	GAGTTCAGTGGCATGCCCAGGATAAGCAAATTGGGATCTGGAAATGATTTTGAGGTGTTC 1174 	GATGAAGGCTTTGAAGGCAAATCTCTTTATGAAAGTTGGACTAAAAAAAGTCCTTCCCCA 1114 	GATTGTACACCACTGATGTACAGCTTGGTATACAACCTAACAAAGAGCCTGAAAAGCCCCT 1054		TTGGTCTTCTTGGTTCTACTGAGTGGGCAGAGGAGTTCAAGACTCCTTCAAGAG 1593	GAATTTGGTCTTCGTGGTCTACTGAGTGGGCAGAGGATAATTCAAGACTCCTTCAAGAG 934	CTGAAAAAGGAAGGGTGGAGACCTAGAAGAACAATTTTGTTTG	TTGACCCCTCGAAGCAGCAGCTGTTTCATGAAAATTGTGAGGAACCTTTGGAACA 1473 TAACCCCTCGAAGCAACCAGCTGTTTCATGAAAATTGTGAGGAACCTTTGGAACA 1473	GGTATTGACCCTCAGAGTGGAGCAGCTGTTGTTCATGAAACTGTGAGGAGCTTTTGGAACA 814	GCAGTGGAACCAGACAGATATGTCATTCTGGGAGGTCACCGGGACTCATGGGTGTTTTGGT 754	CACATCCACTCTACCAATGAAGTGACAAGAATTTACAATGTGATAGGTACTCTCAGAGGA 1353	CCTACAATIGTIGGACCIGGCITTACIGGAAACTTTICTACACAAAAAAGTCAAGAGGA 694 TCCACTCTACCAATGAAGTGACGAGAATTTACAATGTGATAGGTACTCTCAGAGGA 694	GTGTCCTACAATGTTGGACCTGGCTTTACTGGAAACTTTTCTACACAAAAAAGTCAAGATG 634	CTCCTAGAAAAAATGGGTGGCTCAGCACCACCAGATAGCAGCTGGAGAGGGAAGTCTCAAA 1233		GAGGCTGTTGGTCTTCCAAGTATTCCTGTTCATCCAATTGGATACTATGATGCACAGAAG 1173	ĠĠĀĠĀĊĊĊŢĊŢĊĄĊĀĊĊĀĠĊŢĄĀĊĊĊĀĠĊĀĀĀŢĠĀŤĀŢĞĊŢŢĄŢĀĠĠĊĠŢĠĠĀĀŢŢĠĊĀ 1113 Ġĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ	

US-08-705-477E-100

Sequence 100, Application US/08705477E Patent No. 6569432

GENERAL INFORMATION:
APPLICANT: Israeli, Ron
APPLICANT: Heston, Warr
APPLICANT: Fair, Willia

Heston, Warren D.W. Fair, William R. Overfelli, Ouathek

APPLICANT:

; LENGTH: 2387 ; TYPE: DNA ; ORGANISM: Homo sapiens US-08-705-477E-100

Best Local Si Matches 685;

1078

1138

745

Query Match Best Local Similarity

19.3%; ilarity 99.1%; Conservative

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APPLICANT: Pinto, John
TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF
FILE REFERENCE: 1769/41426-G
CURRENT APPLICATION NUMBER: US/08/705,477E
CURRENT FILING DATE: 1996-08-29
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patentin version 3.1
SEQ ID NO 100
LENGTH: 2387
AGGGATGGTGTTTGAGCTAGCCAATTCCATA 1375
                                                                                                 GGTGGAAAAGTTTTATGATCCAATGTTTAAATATCACCTCACTGTGGCCCCAGGTTCGAGG
                                                                                                                                                                                                                           GGAAACAAACTAGGCGGCTATCCACTGTATCACAGTGTCTATGAAACATATGAGTT
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APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FRASTSEQ FOR WINDOWS Version 3.0
SEQ ID NO 454
LENGTH: 231
TYPE: DNA
ORGANISM: Homo sapiens
US-09-439-313-454
                                                                                                                                                                                                                                                            GENERAL INFORMATION:

APPLICANT: Dillon, Davin C.

APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang, Yuqui

APPLICANT: Xu, Jiangchun

APPLICANT:
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; Sequence 454, Application US/09352616A
; Patent No. 6395278
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            Query Match 5.*
Best Local Similarity 100
Matches 108; Conservative
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APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davi
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GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
                                                                                                                                                                        LENGTH: 231
TYPE: DNA
ORGANISM: Homo :
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Fanger, Gary
Retter, Mark
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Mitcham, Jennifer L.
Harlocker, Susan Louise
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Reed, Steven G.
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                                                                                                                                                                              sapiens
                   100.0%; +.
                         5.4%; Score 108; DB 4; 1
100.0%; Pred. No. 1.7e-37;
1ve 0; Mismatches 0;
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Pred. No. 1.7e-37;
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                                                                                 GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Harlocker, Suyani
APPLICANT: Henderson, Robert A.
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; Patent No. 6630305
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SEQ ID NO 454
LENGTH: 231
TYPE: DNA
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APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.42717C17
CURRENT APPLICATION NUMBER: US/09/636,215
CURRENT FILING DATE: 2000-08-10
NUMBER OF SEQ ID NOS: 852
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            Fanger, Gary R. Retter, Marc W. Stolk, John A.
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Vedvick, Thomas S.
Carter, Darrick
                                                                Henderson, Robert A. Kalos, Michael D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Harlocker,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mitcham, Jennifer L.
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Dillon, Davin C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kalos, Michael D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Application
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            5.4%; Score 108; DB 4; 1 ilarity 100.0%; Pred. No. 1.7e-37; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Samuel
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US-08-705-477E-97/c
Sequence 97, Application US/08705477E
Patent NO. 6569432
GENERAL INFORMATION:
US-08-705-477E-96
                          RESULT 11
                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: n=any nucleaotide US-08-705-477E-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-685-166A-454
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APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C21
CURRENT APPLICATION NUMBER: US/09/685,166A
CURRENT FILING DATE: 2000-10-10
NUMBER OF SEQ ID NOS: 898
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 454
LENGTH: 231
                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/08/705,477E
CURRENT FILING DATE: 1996-08-29
NUMBER OF SEQ ID NOS: 128
SOFTWARE: PatentIn version 3.1
SEQ ID NO 97
LENGTH: 782
                                                                                                                                                                                                            Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 5.4%; Score 108; DB 4; Length 231; Best Local Similarity 100.0%; Pred. No. 1.7e-37; Matches 108; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Israeli, Ron S
APPLICANT: Heston, Warren D.W.
APPLICANT: Fair, William R.
APPLICANT: Overfelli, Ouathek
APPLICANT: Pinto, John
TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF
FILE REFERENCE: 1769/41426-G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                         FEATURE:
NAME/KEY: misc feature
LOCATION: (505)..(505)
                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  856 TGCAAGCTGGGATGCAGAAGAATTTGGTCTTCTTGGTTCTACTGAGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     796 TGTGAGGAGCTTTGGAACACTGAAAAAGGAAGGGTGGAGACCTAGAAGAACAATTTTGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                213 TGTGAGGAGCTTTGGAACACTGAAAAAAGGAAGGGTGGAGACCTAGAAGAACAATTTTGTT
                                                                                            204 AAATCTGATGTTCTGAGGGATTTTTAGAGCTTATAGTAGCAAAAAAGAAAAGGGGAAATTCT 146
                                                                                                                           36 AAATCTGATGTTCTGAGGATTTTTAGAGCTTATAGTAGCAAAAAGAAAAGGGAAATTCT
                                                                                                                                                                                      Similarity
59; Conserv
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Carter, Darrick
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                                                                                                                                                                                    3.0%; Score 59; DB 4; Lucity 100.0%; Pred. No. 3.2e-16; Conservative 0; Mismatches 0;
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; Sequence 96, Application US/08705477E; Patent No. 6569432; GENERAL INFORMATION:

APPLICANT: Israeli,

밁 8

Query Match Best Local Similarity

100.0%;

2.5%; Score 50; DB 2; 00.0%; Pred. No. 2.7e-1

2.7e-12;

Length 50;

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; STRANDEDNESS:
; TOPOLOGY: li:
; MOLECULE TYPE:
US-08-832-468-2
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 96
LENGTH: 783
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                                                                                                 TELEFAX: 202-737-6776
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                   PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60-01:

PILING DATE: 05-APR-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Jay, Jeremy M.

REGISTRATION NUMBER: 33587

REFERENCE/DOCKET NUMBER: 7246

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION TOPORMATION:

TELECOMMUNICATION TOPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
-08-705-477E-96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF FILE REFERENCE: 1769/41426-G CURRENT APPLICATION NUMBER: US/08/705,477E CURRENT FILING DATE: 1996-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMA
APPLICANT: I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/832,468 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: A METHOD OF ENRICHING RARE CELLS NUMBER OF SEQUENCES: 10
                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                      ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       580 AAATCTGATGTTCTGAGGATTTTTAGAGCTTATAGTAGCAAAAAGAAAAGGGAAATTCT 638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            36 AAATCTGATGTTCTGAGGATTTTTAGAGCTTATAGTAGCAAAAAGAAAAAGGGAAATTCT 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20005
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                                               nucleic acid
DEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/08832468
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      E: Leydig, Voit & Mayer, Ltd
700 Thirteenth St., NW
                                                                                    50 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sn
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Wang, Zheng-Pin
Lesko, Stephen A.
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                                  linear
           other nucleic acid (synthetic DNA)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Warren D.W
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100.0%; Pr
                                                                                                                                                                                                                                                                                                           US 60-014929
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                                                                                                                            ; MOLECULE TYPE: US-08-832-468-6
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                                                             Matches
                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches - 50;
                                                                                                                                                                                                                                       TELEPHONE: 202-737-677
TELEFAX: 202-737-6776
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 6
FILING DATE: 05-APR-1996
CLASSIFICATION: 435
                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 72
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd
STREET: 700 Thirteenth St., NW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Partin, Alan W.
TITLE OF INVENTION: A METHOD OF ENRICHING RARE CELLS
NUMBER OF SEQUENCES: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Washington
                                                                                                                                                                                                                                                                                                                                       NAME: Jay, Jeremy M.
                                                                                                                                                                                                           LENGTH:
                        1352 GTGTTTGAGCTAGCCAATTCCATAGTGCTCCCTTTTGATTGTCGAGATTA 1401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1262 AGTGTCTATGAAACATATGAGTTGGTGGAAAAGTTTTATGATCCAATGTT
1 GTGTTTGAGCTAGCCAATTCCATAGTGCTCCCTTTTGATTGTCGAGATTA 50
                                                               50;
                                                                                                                                                                      M: 50 base pairs nucleic acid NDEDNESS: single
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                                                               Conservative
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Nelson, William G.
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                                                                                                                                           other nucleic acid (synthetic DNA)
                                                                              100.0%;
                                                                              2.5%; Score 50;
00.0%; Pred. No.
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                                                           Mismatches
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                                                           2.7e-12;
hes 0;
                                                                                              DB 2;
                                                                                           Length 50
                                                               Indels
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US-08-394-152A-45/c

Sequence 45, Application US/08394152A Patent No. 5935818

Patent No.

GENERAL INFORMATION:

Israeli, Ron S. Heston, Warren D.W.

TITLE OF INVENTION: PROTITLE OF INVENTION: US: NUMBER OF SEQUENCES: 4: CORRESPONDENCE ADDRESS:

USES THEREOF

PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND

Fair, William R.

ADDRESSEE:

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                                                                                                                                                                                                                                                                                                                                                             RESULT 15
US-08-325-553-32/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.9
Best Local Similarity 100.
Matches 38; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (212) 278-0400
TELEPAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 45
SEQUENCE CHARACTERISTICS:
LENGTH: 893 base pairs
                                                                                                                                                                                                                                                                                                      Sequence 32, Application US/08325553
Patent No. 5538866
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUE TYPE: Carcinoma
IMMEDIATE SOURCE:
CLONE: Prostate Specific Membrane Antigen
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham
STREET: 30 Rockefeller Plaza
                                                                                                                                                                                                          APPLICANT: Israeli, Ron S.
APPLICANT: Heston, Warren D.W.
APPLICANT: Fair, William R.
TITLE OF INVENTION: THE PROSTATE-SPECIFIC MEMBRANE ANTIGEN
NUMBER OF SEQUENCES: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 41426-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-04400
TELEPHONE: (212) 278-04400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 24-FEB-95
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: PO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM 330 466 DX2
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 1185 A
                                                                                            COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: New York
                                                                                                                   STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: double TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             238 CTAGGTTAAAAATGCCCAGCTGGCAGGGGCCAAAGGAG 275
                                                                                                                                                                                                                                                                                                                                                                                                                                          38 CTAGGTTAAAAATGCCCAGCTGGCAGGGGCCAAAGGAG 1
                                                                            10112
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
                                                                                                              New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3: Cooper & Dunham LLP
1185 Avenue of the Americas
                                                                                              United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.9%; but
100.0%; Pr
1.70 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 38; DB 2; Length 893; Pred. No. 4.2e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                            US-08-325-553-32
                                                                          Query Match
Best Local Similarity
                                                              Matches
                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (212) 664-0525
TELEX: 422523 COOP UI
INFORMATION FOR SEQ ID NO: (
                                                                                                                                           IMMEDIATE SOURCE:
CLONE: Prostate Specific Membrane Antigen
                                                                                                                                                                                     ORIGINAL SOURCE:
ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435
PRIOR APPLICATION DATA: US/07/973,337A
APPLICATION NUMBER: US/07/973,337A
FILING DATE: 05 NOV 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                       NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 174
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550
                                                                                                                                                                                                                           MULLUCE NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/325,553
                                                                                                                                                                                                                         ANTI-SENSE:
                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                             TISSUE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
                                                                                                                                                                                                                                                                                        LENGTH: 36 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                            OPOLOGY:
                    842 AGAACAATTTTGTTTTGCAAGCTGGGATGC 870
36 AGAACAATTTTGTTTGCAAGCTGGGATGC 8
                                                              29;
                                                              Conservative
                                                                                                                                                                                                                                                                            linear
                                                                                                                                                                                                                                          : peptide
                                                                                                                                                                             Carcinoma
                                                                              100.0%;
                                                                              1.5%; Score 29; DB 1; 00.0%; Pred. No. 0.0036;
                                                                                                                                                                                                                                                                                                                                                              32:
                                                                                                                                                                                                                                                                                                                                                                                                                                            1747/41426
                                                              0; Mismatches
                                                              0; Indels
                                                                                           Length 36;
                                                              0
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Search completed: February 17, 2004, 19:39:25 Job time : 119 secs